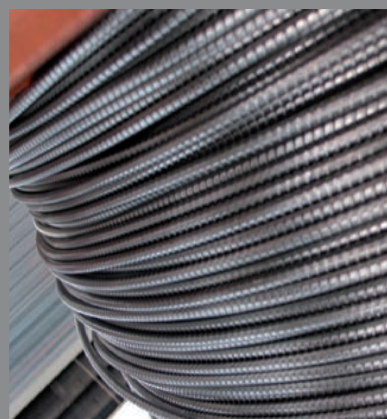
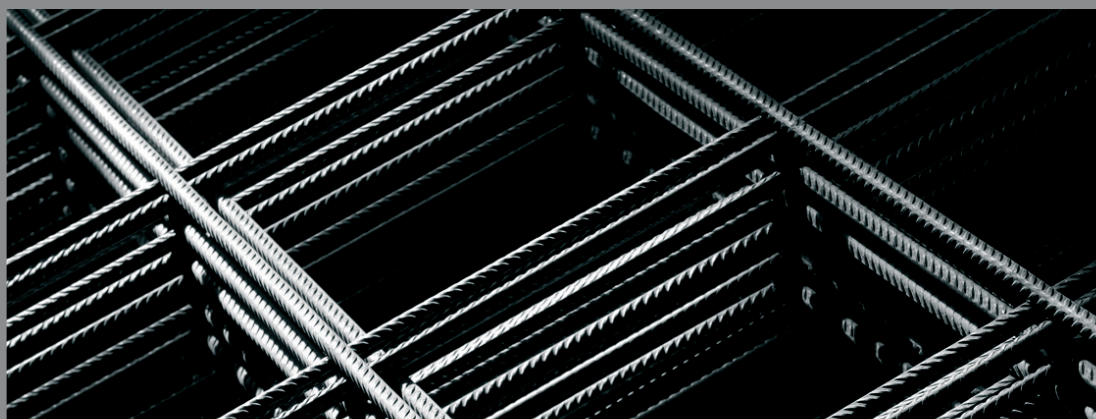


› SWS Catalogue

Catalogo maquinas
Catalogue des machines
Catálogo Máquinas

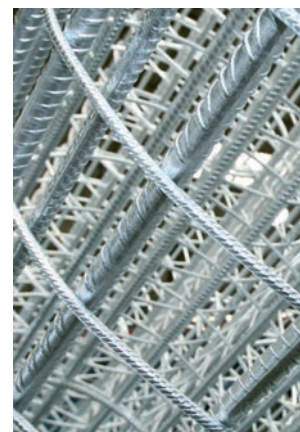
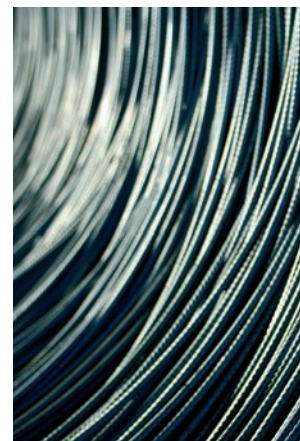
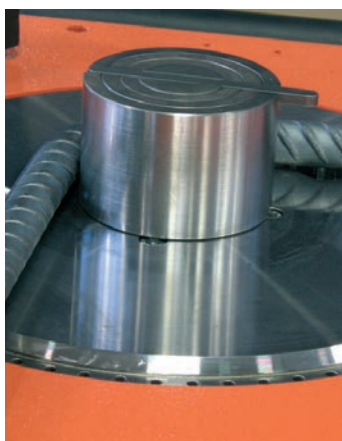




› SWS Catalogue

Catalogo maquinas
Catalogue des machines
Catálogo Máquinas





Schnell Group is a multinational reality made up of **14 companies** - 8 for the production of machines, 1 for software development and 5 for service supply - world leader in the field of automatic machines and software for rebar processing.

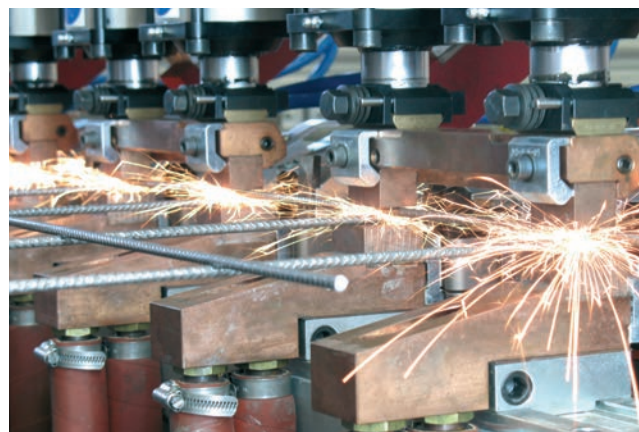
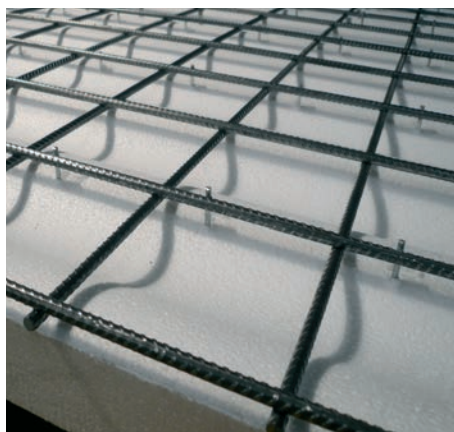
Today, a **complete range of machines and plants**, characterizes the production of Schnell companies: from the small job site machines to the big cutting plants, from the automatic bending robots to the powerful stirrup benders and shaping machines; from the assembling and cage making machines to the innovative plants for electro-welded mesh processing; from the lifting equipment to the innovative building systems. And moreover, business software programs for the optimization of all reinforced rebar processes.

El Grupo Schnell es una realidad multinacional de **14 empresas** - 8 productivas, 1 de Software y 5 de servicios - Líder a nivel mundial en el sector de las máquinas automáticas y el software para la elaboración del hierro para hormigón armado.

Hoy en día la producción de las empresas del grupo se caracteriza por ofrecer una amplia y **completa gama de máquinas y plantas** que va desde las pequeñas máquinas de taller a las grandes plantas de corte y doblado de barras, desde los robots automáticos de doblado a las poderosas estribadoras y dobladoras de hierro en rollo, desde las ensambladoras de jaulas y pilotes a las innovadoras plantas para la producción de redes electro-soldadas, desde los sistemas de manejo del material a las plantas para la realización de elementos constructivos e innovadores, y luego también cuenta con el software de gestión para optimizar todo el proceso de elaboración del hierro para hormigón armado.

Le Groupe Schnell est une réalité multinationale de **14 sociétés** - 8 unités productives, 1 de logiciel et 5 de services - leader à niveau mondial dans le secteur des machines automatiques et logiciels pour l'usage du fer à béton armé.

Aujourd'hui une **gamme complète de machines et installations** caractérise la production des sociétés du groupe: des petites machines de chantier, aux grandes installations de coupe et façonnage des barres; des robots automatiques de cintrage, aux puissantes cadreuses et façonneuse pour bobine; des assembleuses de cages et piliers, aux innovatrices installations pour la production de grilles électro-soudées; des systèmes de déplacement du matériel, aux systèmes pour la réalisation d'éléments constructifs innovateurs. En outre les logiciels de gestion pour l'optimisation de tout le processus d'usage du fer à béton armé.



O Grupo Schnell é uma realidade multinacional formada por **14 empresas** - 8 fabricas, 1 de software e 5 de serviços, líder mundial no setor das máquinas automáticas e software elaboração de ferro para cimento armado. Hoje as empresas do grupo produzem **uma ampla gama de produtos**: desde as pequenas máquinas de obra, às grandes instalações de corte e modelagem de barras bares; dos robôs automáticos de dobra, às potentes estribadeiras e perfiladeiras de bobina; das assembladoras de gaiolas e postes, às inovadoras instalações para a produção de tela eletro-soldada; dos sistemas de manuseio de materiais às instalações para a produção de elementos construtivos inovadores. E finalmente o software para a otimização de todo o processo elaboração do ferro para cimento armado.



Schnell is a global company operating in over **150 countries** through its network of branches, and its **50 importers and agents**. A network of over **40 assistance centers** ensures a fast and efficient service and a worldwide training and technical advice. Approximately **150 licences** deposited and widespread to international level by a staff of **30 mechanical and electronic engineers**, daily engaged in research, development and design of new products for all the group's companies. A production area of more than **40,000 sqm**, **4 factories** around the world and **350 employees**.

Schnell es una empresa global operativa en más de **150 países** a través de su red de filiales y de más de **50 importadores y agentes**. Una red capilar de más de **40 centros de asistencia** garantiza un servicio eficiente y veloz además de proveer a todo el mundo formación y asesoramiento técnico. Alrededor de **150 patentes registradas** y extendidas a nivel internacional por un equipo de **30 ingenieros**

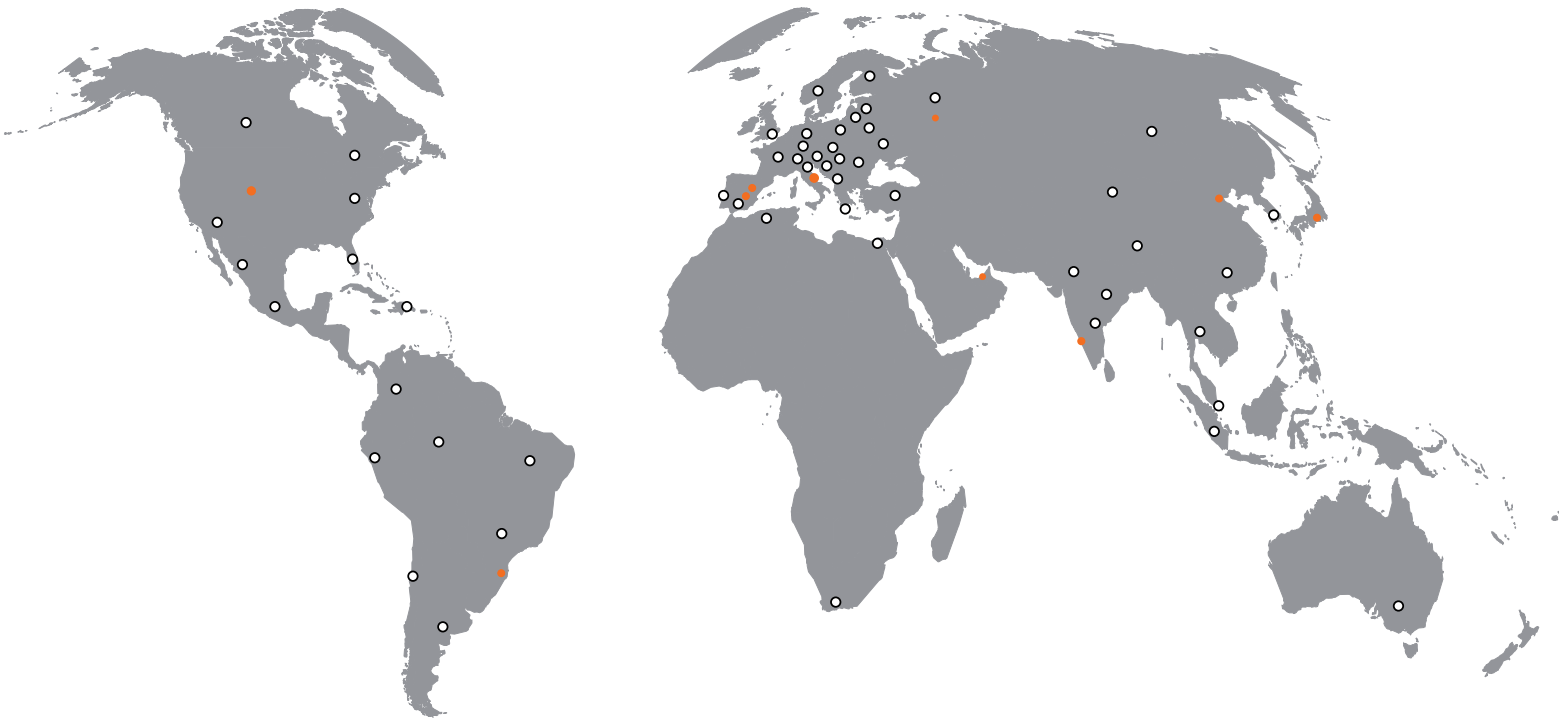
mecánicos y electrónicos, dedicados cotidianamente a la investigación, desarrollo y diseño de nuevos productos para todas las empresas de grupo. Mas de **40.000 mts. cuadrados** es el espacio productivo de los **4 establecimientos** de todo el mundo, que cuentan con un total de **350 empleados**.

Schnell est une entreprise globale et opérative dans plus de **150 pays** grâce à ses **réseaux de filiales** et à plus de **50 agents et importateurs**. Un réseau minutieux de **plus de 40 centres d'assistance technique** garantit un service d'assistance efficace et rapide et fournit aussi de la formation et de la **consultation technique** dans le monde entier. À peu près **150 brevets** ont été **déposés** et étendus au niveau international par une équipe de **30 ingénieurs mécaniques et électroniques**, qui sont engagés tous les jours dans la recherche, le développement et le projet de nouveaux produits pour toutes les sociétés du groupe. Plus de **40.000 mètres carrés**

est l'espace productif concernant les **4 établissements** du monde entier pour un total de **350 dépendants**.

A Schnell é uma empresa global, operativa em mais de **150 países** a través da sua rede de filiais, e aos mais de **50 entre importadores e agentes**. Uma rede capilar de mais de **40 centros de assistência** garante um serviço de assistência rápido e eficiente, além de fornecer treinamento e pareceres técnicos em todo o mundo. Cerca de **150 patentes** depositadas e estendidas a nível internacional por uma equipe de **30 engenheiros mecânicos e eletrônicos**, envolvidos quotidianamente na pesquisa, desenvolvimento e design de novos produtos para todas as empresas do grupo. O espaço produtivo é de mais de **40.000 mq** distribuído nos **4 estabelecimentos** de todo o mundo com um total de **350 empregados**.

Schnell Group



SCHNELL
REINFORCEMENT PROCESSING EQUIPMENT

SCHNELL
WIRE SYSTEM
BRAND OF SCHNELL

SCHNELL
IMPIANTI
REINFORCEMENT PROCESSING EQUIPMENT

SCHNELL
BRASIL
REINFORCEMENT PROCESSING EQUIPMENT

SCHNELL
PARTS & SERVICES

SCHNELL
GULF
REINFORCEMENT PROCESSING EQUIPMENT

SCHNELL
SOFTWARE

SCHNELL
ASISTENCIA ESPAÑA

SCHNELL
JAPAN
REINFORCEMENT PROCESSING EQUIPMENT

SCHNELL
INDIA
MACHINERY
REINFORCEMENT PROCESSING EQUIPMENT

SCHNELL HOME
INNOVATIVE BUILDING EQUIPMENT

SMT
REINFORCING EQUIPMENT

SCHNELL
RUSSIA
REINFORCEMENT PROCESSING EQUIPMENT

SGM

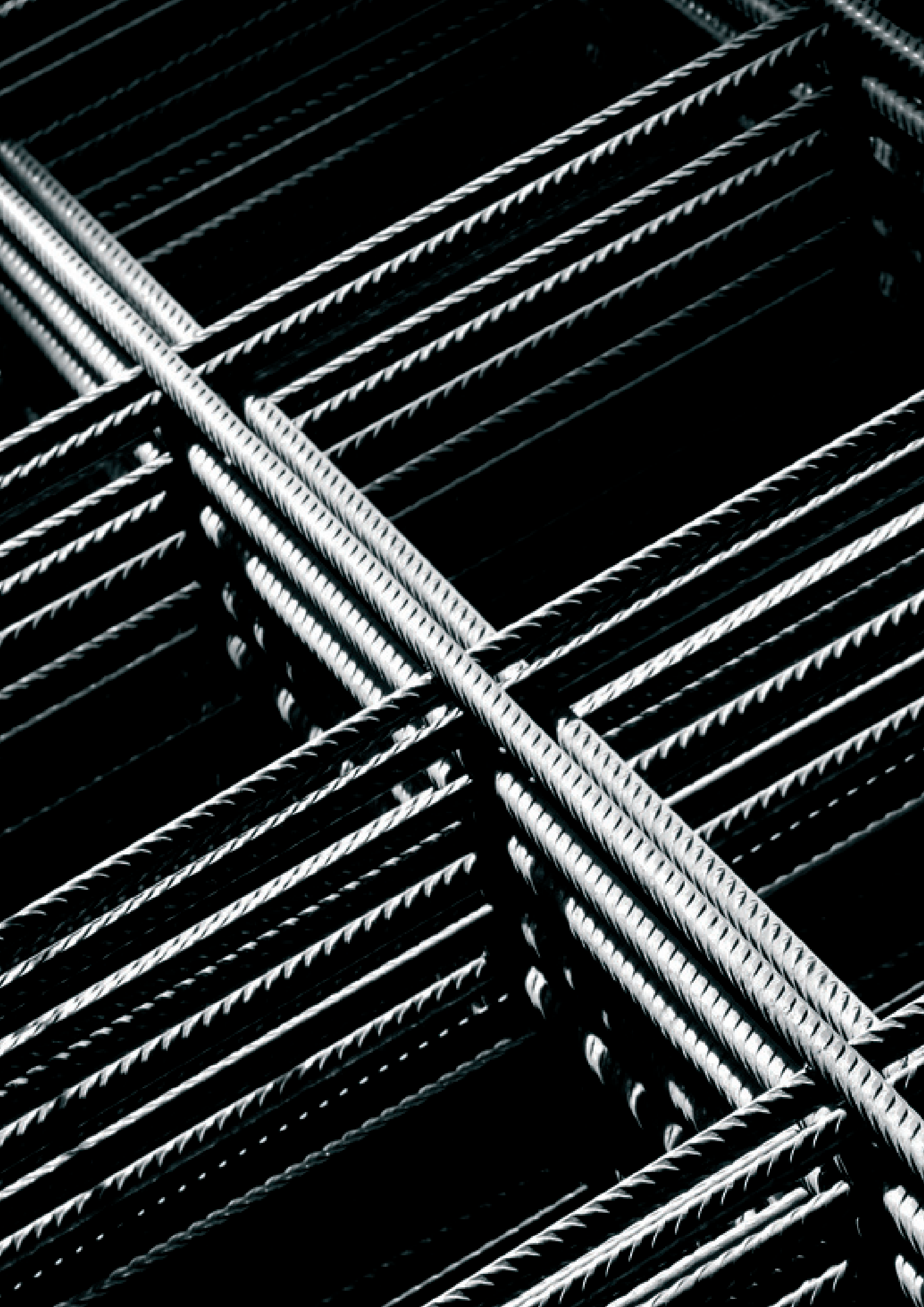
TGS

SCHNELL
REINFORCEMENT PROCESSING EQUIPMENT

Certificate nr. 50 100 7239



CERTIFIED
UNI EN ISO 9001:2008



MESH PROCESSING

Elaboración mallas

Travail des treillis soudés

Elaboração de telas

Construction

Mesh Line

- . Mesh Line C/BB
- . Mesh Line C/BC
- . Mesh Line C/CB
- . Mesh Line C/CC

Engineered

Mesh Line

- . Multi Assembler
- . Versa-line
- . Pop-spacer 1200
- . My Mesh

Industrial

Mesh Line

- . Mesh Line 1250 I/BB
- . Mesh Line 1250 I/BC

Cold rolling

Line

- . Coldrive MV
- . Coldrive 2 MV
- . Coldrive 3 MV
- . Coldrive 4 MV
- . Coldrive MVS
- . Coldrive 3 MVS

Straightening

Machines

- . R 8
- . R 13
- . Reta 13
- . Reta 16 UHS

Mesh cutting

Machines

- . TRG 1D
- . TRG 2D

Mesh bending

Machines

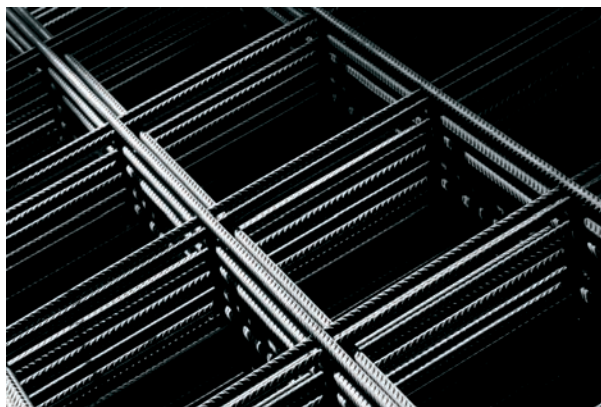
- . PRE
- . PRT Titan

Lifting

Devices

- . Coil spider
- . Mesh spider

Construction Mesh



Welded wire mesh for the construction industry with standard dimensions, pitch and diameters **as per catalogue**. Produced in **mesh sheets** or **rolls**.

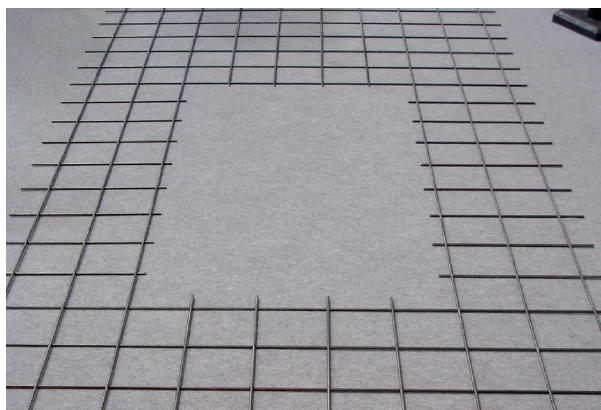
Malla electro-soldada con dimensiones, mallas y diámetros de los hilos **preestablecidos en catalogo**. Normalmente son producidas en **paquetes** o en **rollos**. Son mallas destinadas a la construcción en general.



Treillis électro-soudés avec une dimensions, de mailles et de diamètres des fils **préétablis sur catalogue**. Normalement ils sont produits en **panneaux** ou bien en **bobines**. Il s'agit de treillis destinés à la construction en générale.

Tela eletro soldada com dimensões, malhas e diâmetros dos fios **pré-estabelecidos no catalogo**. São normalmente produzidas em **pacotes** ou em **rolos**. São telas destinadas à construção em geral.

Engineered Mesh



Mesh with variable shapes, dimensions and diameters according to the **design of the engineer**. In this kind of mesh it is possible to have transversally and longitudinally bars of different diameters and lengths, bent bars, openings and windows. The uses for this type of mesh are in the **precast industry**, residential, industrial or commercial constructions, and for the **realization of large public works** such as dams, ports, bridges, tunnels, railways, etc...

Mallas con formas, diámetros y dimensiones variables según el **diseño del Ingeniero**. En esta mallas se pueden encontrar longitudinal y transversalmente hierros de diámetros y longitudes diferentes, hierros doblados, aberturas y ventanas. Son mallas destinadas a la **fabricación**, a la construcción residencial, comercial o industrial, a la realización de **grandes obras** como diques, puertos, puentes, galerías, ferrovías, etc.



Panneaux de Treillis soudé, de diamètres et de dimensions variables en fonction **du plan de l'ingénieur**. Dans ces treillis il y a des fils longitudinaux et transversaux d'un diamètre et d'une longueur différents, avec, une découpe pour les portes et les fenêtres. Destinés à la **préfabrication**, à la construction résidentielle, commerciale ou industrielle, à la **réalisation de grandes ouvrages** telles que barrages, ports, ponts, tunnel, chemin de fer, etc..

Tela com formas, diâmetros e dimensões variáveis segundo o **desenho do engenheiro**. Nestas telas podemos encontrar longitudinalmente e transversalmente ferros de diâmetros e comprimentos diferentes, ferros perfilados, aberturas e janelas. São telas destinadas à **prefabricação**, à construção residencial, comercial ou industrial, à **realização de grandes obras** como barragens, portos, pontes, túneis, ferrovias, etc.

Industrial Mesh



Mesh panels produced according to **customer's requests**.

Generally this mesh is not used for construction but for **fences, accident prevention barriers, poultry cages, farming, containers, shelves, metal pipes, furnishing accessories, household appliances.**

Panneaux de treillis produits en fonction des **exigences du client**. Destinés à des emplois différents par rapport à la construction, en particulier pour les clôtures de **protection contre les accidents du travail, cages avicoles et pour élevage, conteneurs, étagères, accessoires et éléments pour l'ameublement, canaux métalliques, appareils électroménagers.**

Paneles de malla realizados según las **indicaciones del cliente**. Son mallas destinadas a usos diferentes de aquellos de la construcción y en **particular para rejas de protección, jaulas avícolas y para criaderos, contenedores, estanterías, canaletas metálicas, accesorios y complementos de decoración, electrodomésticos.**

Painéis de tela realizados segundo **especificação do cliente**. São telas destinadas a usos diferentes daqueles da construção, e em **particular para vedações, proteções de segurança, gaiolas para aves e gado, recipientes, prateleiras, canais metálicos acessórios e complementos de mobíliação, eletrodomésticos.**

Construction Mesh Line

Mesh line C/BB
Mesh line C/BC
Mesh line C/CC
Mesh line C/CB
Mesh line C/BB/BC

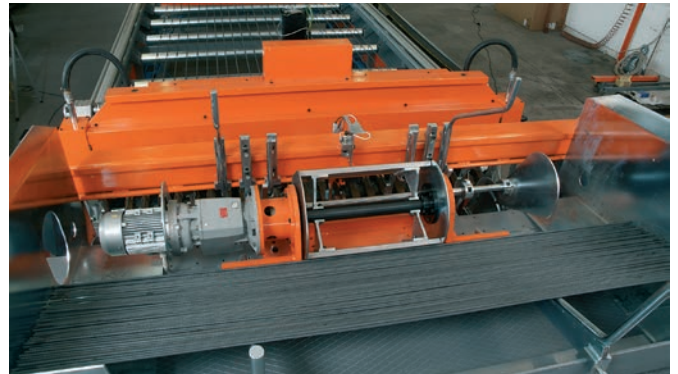
Engineered Mesh Line

Multiassembler
Versa Line
Pop-spacer 1200
My Mesh

Industrial Mesh Line

Mesh line I/BB
Mesh line I/BC

Construction Mesh Line



Mesh Line C/BB

- Plant for the production of welded wire mesh fed **with pre straightened bars**
- Highly **flexible**
- Production of small/medium quantities
- **Short setup time**
- For the production of **mesh panels**

- Planta para la producción de mallas electro-soldadas de **barra**
- Altamente **flexible**
- Producción de pequeños/medianos lotes
- **Tiempos cortos de set up**
- Produce mallas en **paneles**

- Installation pour la production de treillis électro-soudés alimentée **à partir de barres**.
- Hautement **flexible**
- Production moyenne à petite
- **Temps de réglage réduits**
- Production de treillis en **panneaux**

- Instalação para a produção de tela eletro soldada **alimentada por barra**.
- Altamente **flexível**
- Produção de pequenos/médios lotes
- **Baixos tempos de set up**
- Produz tela em **painéis**

Mesh Line C/BC

- Plant for the production of welded wire mesh with the **longitudinal wires fed by coil**.
- Less labour
- Production of **medium/big quantities**
- Longer setup time
- For the production of both mesh **panels and rolls**.

- Planta para la producción de mallas electro-soldadas, alimentada **longitudinalmente por rollos**
- Reducido empleo de mano de obra
- Producción de **medios/ grandes lotes**
- Tiempos de set up mas largos
- Produce mallas en **paneles y en rollos**

- Installation pour la production de treillis électro-soudés alimentée **longitudinalement à partir de bobines**
- Emploi de main-d'œuvre réduite
- **Moyenne/grande** production
- Temps de réglage plus élevés
- Production de treillis en **panneaux et en bobines**

- Instalação para a produção de tela eletro soldada **alimentado longitudinalmente por bobinas**.
- Utilização de mão-de-obra reduzido.
- Produção de **médio/grandes lotes**
- Tempos de set-up mais elevados
- Produz telas seja em **painéis que em rolos**

Mesh Line C/CC

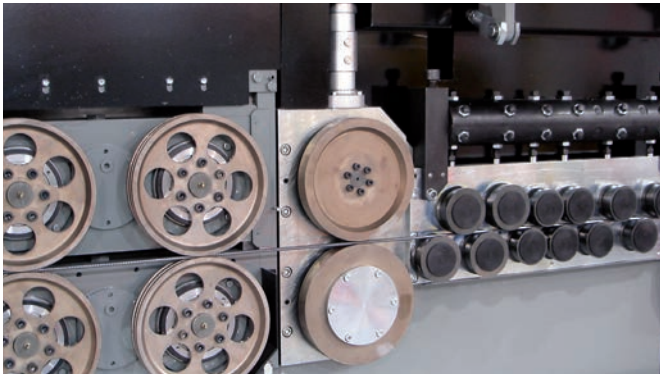
- Plant for the production of welded wire mesh **fed by coil**
- Very high productivity
- **Reduced labour costs**
- Production of **big quantities**
- For the production of both mesh **panels and rolls**.

- Planta para la producción de mallas electro- soldada **alimentada por rollos**
- Altísima productividad
- **Bajísimo empleo de mano de obra**
- Producción de **grandes lotes**
- Produce mallas en **paneles y en rollos**

- Installation pour la production de treillis électro-soudés **alimentée à partir de bobines**
- Productivité très haute
- **Emploi de main-d'œuvre réduite**
- Production d'une **grande quantité** de panneaux de treillis
- Production de treillis en **panneaux et en bobines**

- Instalação para a produção de tela eletro soldada **alimentada por bobinas**
- Altíssima produtividade
- **Baixíssima utilização de mão-de-obra**
- Produção de **grandes lotes**
- Produz telas seja em **painéis que em rolos**

Construction Mesh Line



Mesh Line C/CB

- Plant for the production of welded wire mesh with the **transversal wires fed by coil**
- Flexible system with high production efficiency
- For the production of **mesh panels**
- Planta para la producción de mallas electro-soldadas, **alimentada transversalmente por rollos**
- Sistema flexible de alta eficiencia productiva
- Produce mallas en **paneles**
- Installation pour la production de treillis électro-soudés **alimentée transversalement à partir de bobines**
- Système flexible avec haute capacité productive
- Production de treillis en **panneaux**
- Instalação para a produção de tela eletro soldada **alimentada transversalmente por bobinas**
- Sistema flexível com alta eficiência productiva
- Produz telas em **painéis**



Mesh line C/BB/BC

- Hybrid plant for the production of welded wire mesh with the **longitudinal wires fed by coil**
- It combines high **productive efficiency** and **high flexibility**
- For the production of both **mesh panels and rolls**
- Planta híbrida para la producción de mallas electro-soldadas, **alimentada longitudinalmente por rollos**
- Une una alta **eficiencia** a una elevada **flexibilidad**
- Produce mallas en **paneles y en rollos**
- Installation hybride pour la production de treillis électro-soudés **alimentée longitudinalement à partir de bobines**
- Elle combine une haute **capacité productive** à une **grande flexibilité**
- Production de treillis en **panneaux et en bobines**
- Instalação híbrida para a produção de tela eletro soldada **alimentado longitudinalmente por bobinas**
- Une uma alta **eficiência productiva** a uma **elevada flexibilidade**
- Produz telas quer em **painéis** que em **rolos**

Engineered Mesh Line



Multi Assembler

- Plant for the production of welded wire mesh **from bars**
- **Highly flexible**
- Short setup time
- Mesh production as per drawing
- Workable diameters **from Ø 6 to Ø 25 mm**
- **Cold drawn or hot rolled steel** can be used
- For the production of mesh panels
- Planta para la producción de mallas electro- soldada **alimentada por barras**
- **Altamente flexible**
- Tiempos cortos de set up
- Produce de mallas según diseño
- Capacidad **del Ø 6 al Ø 25 mm**
- Utiliza **hierro trefilado en frío o laminado en caliente**
- Produce mallas en paneles
- Installation pour la production de treillis électro-soudés **alimentée à partir de barres**
- **Hautement flexible**
- Temps de réglage réduits
- Production de treillis en fonction du plan
- Diamètre de travail **du Ø 6 au Ø 25 mm**
- Emploi de acier **tréfilé à froid ou laminé à chaud**
- Production de treillis en panneaux
- Instalação para a produção de tela eletro soldada **alimentado por barra**
- **Altamente flexível**
- Baixos tempos de set up
- Produção de tela a partir de desenho
- Diâmetros que se podem trabalhar **de Ø 6 a Ø 25 mm**
- Utiliza aço **trefilado a frio ou laminado a quente**
- Produz tela em painéis

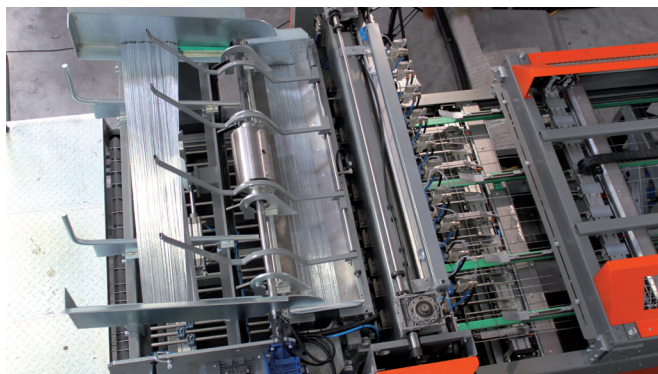
Versa Line

- Plant for the production of welded wire mesh, both **standard and custom fed by coil**
- Versatile system
- **Automatic** to change of mesh format
- It produces both **a large quantity of standard mesh and single custom mesh sheets**
- Workable diameters **max Ø 13 mm**
- Cold drawn or hot rolled steel can be used
- Planta para la producción de mallas electro- soldada **standard y según diseño, alimentada por rollos.**
- Sistema versátil
- **Set up automático** para el cambio de tipo de mallas
- Produce desde **grandes lotes de mallas standard a mallas individuales según diseño**
- Capacidad **max Ø 13 mm**
- Utiliza hierro trefilado en frío o laminado en caliente
- Installation pour la production de treillis électro-soudés **standard et sur mesure alimentée à partir de bobines**
- Système d'une grande flexibilité
- **Réglage automatique** pour le changement du format
- Production de **grands quantité de panneaux standard et de treillis sur mesure**
- Diamètre du travail **max Ø 13 mm**
- Emploi de acier tréfilé à froid et laminé à chaud
- Instalação para a produção de tela eletro soldada **quer padrão que segundo desenho alimentado por bobinas**
- Sistema versátil
- **Set-up Automático** para a mudança de forma
- Produz de **grandes lotes de tela padrão a telas segundo desenho** individuais.
- Diâmetros **max Ø 13 mm**
- Utiliza aço trefilado a frio ou laminado a quente

Pop-spacer 1200

- Plant for the production of **spacers and mesh for making pillars or beams, fed by bars**
- It can produce two spacers at the same time
- Workable diameters **from Ø 4 to Ø 12 mm**
- Cold drawn or hot rolled steel can be used
- Planta para la producción de **distanciadores y mallas para la realización de pilares y vigas, alimentada por barras**
- Puede producir dos distanciadores contemporáneamente
- Capacidad **del Ø 4 al Ø 12 mm**
- Utiliza hierro **trefilado en frío o laminado en caliente**
- Installation pour la production des **panneaux et des treillis pour la réalisation de piliers ou poutres, alimenté à partir de barres**
- Production de deux panneaux simultanément
- Diamètre de travail **du Ø 4 au Ø 12 mm**
- Emploi de acier tréfilé à froid ou laminé à chaud
- Instalação para a produção de **distanciadores e telas para a realização de pilares ou travessas, alimentado por barra.**
- Pode produzir dois distanciadores simultaneamente
- Diâmetros que se podem trabalhar **de Ø 4 al Ø 12 mm**
- Utiliza aço trefilado a frio ou laminado a quente

Industrial Mesh Line



My Mesh

- Plant for the production of **spacers and mesh for making pillars or beams, fed by bars**
- It can produce two spacers at the same time
- Workable diameters **from Ø 4 to Ø 16 mm**
- Cold drawn or hot rolled steel can be used
- Planta para la producción de **distanciadores y mallas para la realización de pilares y vigas, alimentada por barras**
- Puede producir dos distanciadores contemporáneamente
- Capacidad del **Ø 4 al Ø 16 mm**
- Utiliza hierro tréfilado en frío o laminado en caliente
- Installation pour la production des **panneaux et des treillis pour la réalisation de piliers ou poutres, alimenté à partir de barres**
- Production de deux panneaux simultanément
- Diamètre de travail du **Ø 4 au Ø 16 mm**
- Emploi de acier tréfilé à froid ou laminé à chaud
- Instalação para a produção de **distanciadores e telas para a realização de pilares ou traves, alimentado por barra.**
- Pode produzir dois distanciadores simultaneamente
- Diâmetros que se podem trabalhar de **Ø 4 al Ø 16 mm**
- Utiliza aço tréfilado a frio ou laminado a quente

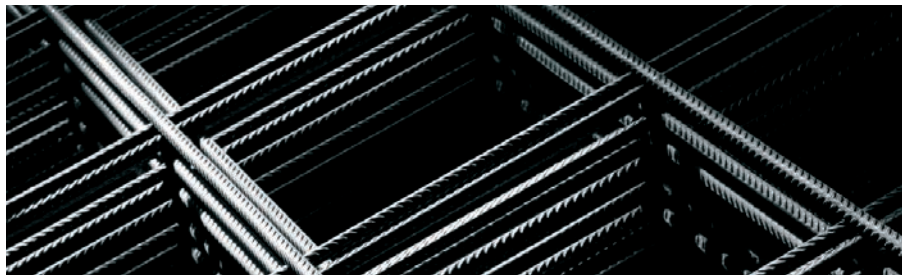
Mesh line I/BB

- Plant for the production of welded wire mesh fed by **bars**
- **Highly flexible**
- Production of small/medium quantities
- Short setup time
- Workable diameters **from Ø 2,4 to Ø 6 mm**
- Cold drawn, hot rolled or **zinc-plated** wire can be used
- For the production of mesh panels
- Planta para la producción de mallas electro-soldadas , alimentada por **barra**
- **Altamente flexible**
- Producción de pequeños/ medios lotes
- Tiempos cortos de set up
- Capacidad **del Ø 2,4 mm al Ø 6 mm**
- Utiliza hierro tréfilado en frío o laminado en caliente **o zincado**
- Produce mallas en paneles
- Installation pour la production de treillis électro-soudés alimentée à partir de **barre**
- **Grande flexibilité**
- Production petite à moyenne
- Temps de réglage réduit
- Diamètres de travail **de Ø 2,4 mm au Ø 6 mm**
- Emploi de acier tréfilé à froid ou laminé à chaud **ou galvanisé**
- Production de treillis en panneaux
- Instalação para a produção de tela eletro soldada alimentada por **barra**
- **Altamente flexível**
- Produção de médio/grandes lotes
- Baixos tempos de set up
- Diâmetros que se podem trabalhar **de Ø 2,4 mm a Ø 6 mm**
- Utiliza aço tréfilado a frio ou laminado a quente **ou zincado**
- Produz telas em painéis

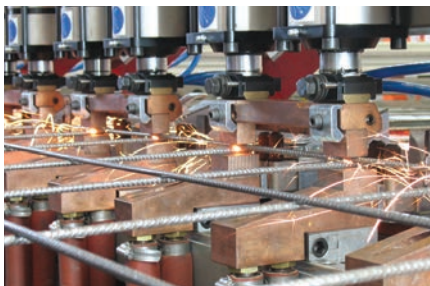
Mesh line I/BC

- Plant for the production of welded wire mesh with the **longitudinal wires fed by coil**
- Reduced labour costs
- Production of **medium/big quantities**
- Longer setup time
- Workable diameters **from Ø 3 mm** drawn, hot rolled **or zinc-plated** wire can be used
- For the production of mesh panels
- Planta para la producción de mallas electro- soldada, alimentada **longitudinalmente por bobinas**
- Reducido empleo de mano de obra
- Producción de **medios/grandes lotes**
- Tiempos de set up mas elevados
- Capacidad **Ø 3 mm**
- Utiliza hierro tréfilado en frío o laminado en **caliente o zincado**
- Produce mallas en paneles
- Installation pour la production de treillis électro-soudés alimentée **longitudinalement à partir de bobine**
- Emploi réduit de main-d'œuvre
- Production **moyenne à grande**
- Temps de réglage plus élevé
- Diamètres du travail du **Ø 3 mm**
- Emploi de acier tréfilé à froid ou laminé à chaud **ou galvanisé**
- Production de treillis en panneaux
- Instalação para a produção de tela eletro soldada alimentada **longitudinalmente por bobinas**
- Utilização de mão-de-obra reduzida
- Produção de **médio/grandes lotes**
- Tempos de set up mais elevados
- Diâmetros que se podem trabalhar **de Ø 3 mm**
- Utiliza aço tréfilado a frio ou laminado a quente **ou zincado**
- Produz telas em painéis

Construction Mesh Line



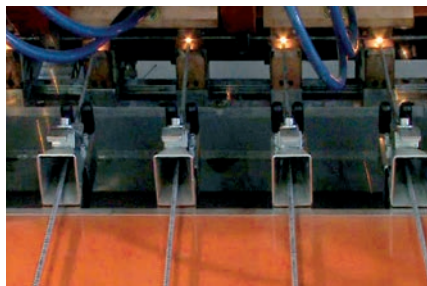
SRB



SRB

Welding bench: allows simultaneously welding up to 25 wires of maximum 12 mm in diameter. Forward movement of the sheet is controlled by servo motors that guarantee extremely high pitch accuracy in relation to the wire spacing set (variable).

Banco de soldadura: permite soldar simultáneamente hasta 25 hilos con diámetro máximo de 12 mm. El avance del panel está controlado por servomotores que garantizan una altísima precisión del paso en función de la malla configurada (variable).



Banc de soudure : permet de souder simultanément jusqu'à 25 fils ayant un diamètre maximum de 12 mm. L'avancement du panneau est géré par des servomoteurs, qui assurent une excellente précision dans le pas en fonction de la maille programmée (variable).

Banco de solda: permite soldar simultaneamente até 25 fios com diâmetro máximo de 12mm. O avanço do painel é feito por servomotores, que garantem altíssima precisão no passo em função da malha selecionada (variável).

SRC-AV

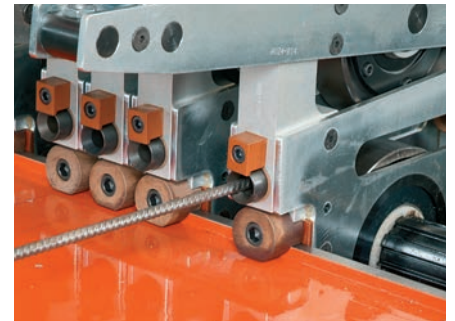
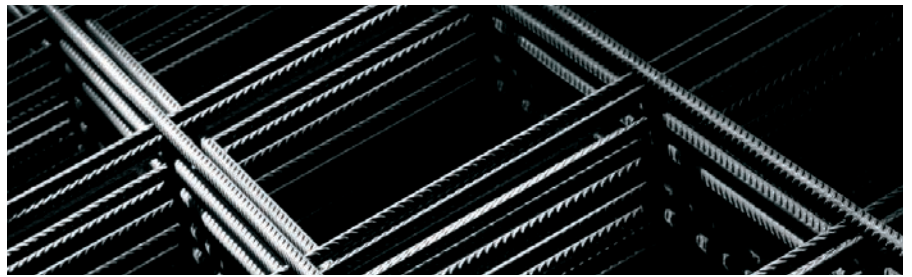
Welding bench: Roller feed unit allows moving the lengthwise wires forward in relation to the wire spacing set (variable).

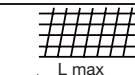
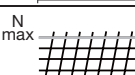
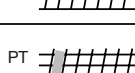
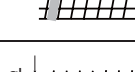
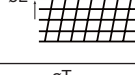
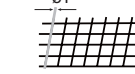
Banco de soldadura: Grupo de avance de rodillos permite efectuar el avance de los hilos longitudinales en función de la malla configurada (variable).

Banc de soudure: Groupe d'avancement à rouleaux permet de faire avancer les fils longitudinaux en fonction de la maille programmée (variable).

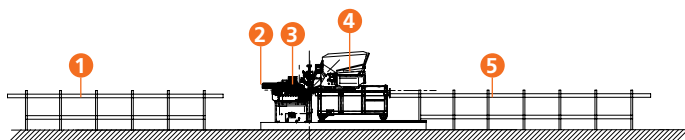
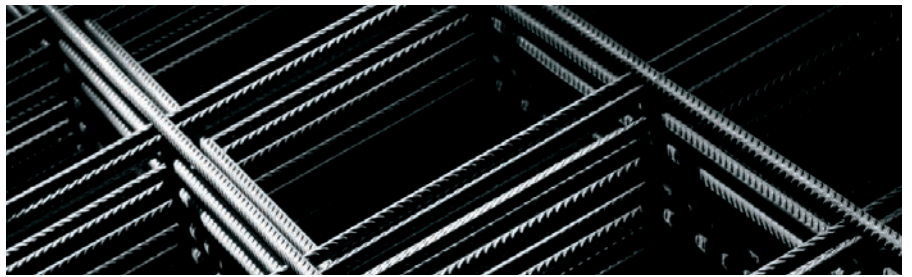
Banco de solda: Grupo avanço por rolos permite realizar os avanços dos fios longitudinais em função da malha selecionada (variável).

Construction Mesh Line



	Nominal machine widths	min	1,25 m	1,4 m	1,4 m	4'-1 2/8"	4'-7 2/8"	4'-7 2/8"
		max	2,50 m	3 m	3,3 m	8'-2 4/8"	9'-10"	10'-10"
	Mesh panel lengths		4 m ÷ 6 m 3 m ÷ 12 m (on request)			13'-1" ÷ 19'-8" 9'-10" ÷ 40'-8" (on request)		
	Nr. Max line wire		24	28	32	24	28	32
	Line wire spacing	min	100 mm (50 mm on request)			4" (2" on request)		
	Stepless cross wire spacing	min	25 mm			1"		
	Line wire diameter		3 mm - 12 mm					
	Cross wire diameter		3 mm - 12 mm					
	Max working speed, number of strokes up to		120 cross wires/min 130 cross wires/min					

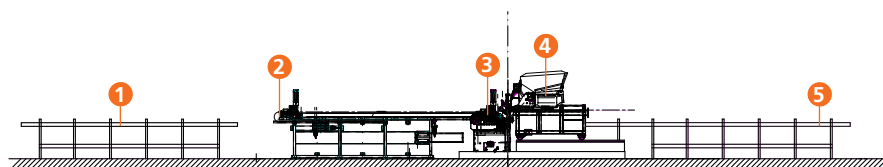
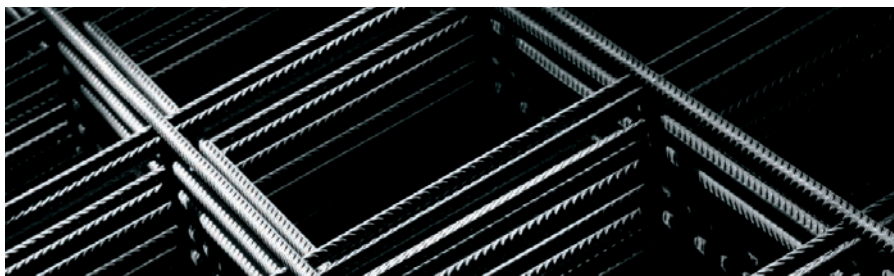
Mesh Line C/BB



> Manual plant composed of:

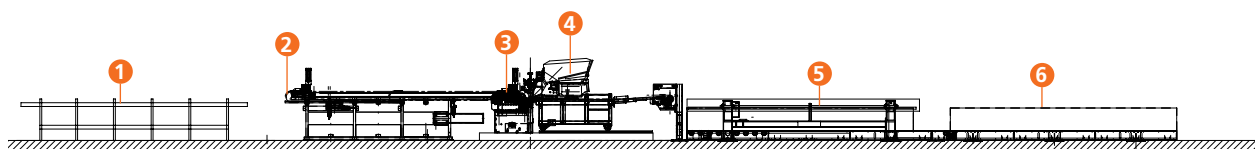
- | | |
|--|--------------------------------|
| 1 BAB: Line-wire feed conveyor | 4 ATD: Fast cross-wire feeder |
| 2 IFL: Device for manual line-wire insertion | 5 BEM: Manual extraction bench |
| 3 SRB: Welding bench | |

Configuration examples



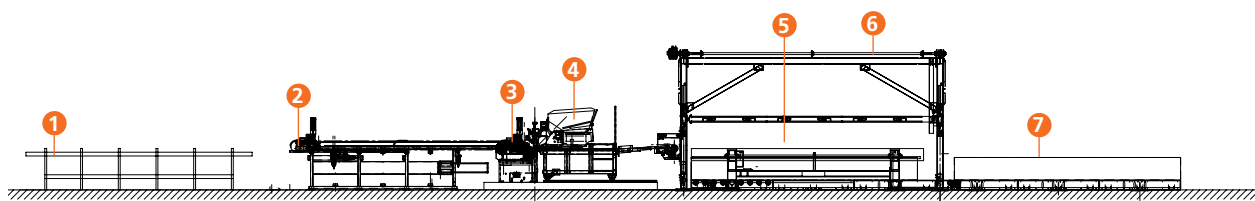
> Semiautomatic plant composed of:

- | | |
|---|--------------------------------|
| 1 BAB: Line-wire feed conveyor | 4 ATD: Fast cross-wire feeder |
| 2 ALL-SA: Servoassisted line-wire insertion | 5 BEM: Manual extraction bench |
| 3 SRB: Welding bench | |



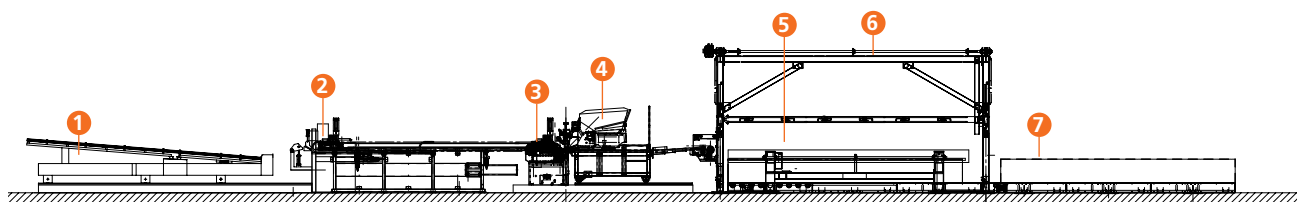
> Semiautomatic plant with automatic panel extraction. Composed of:

- | | |
|---|----------------------------------|
| 1 BAB: Line-wire feed conveyor | 4 ATD: Fast cross-wire feeder |
| 2 ALL-SA: Servoassisted line-wire insertion | 5 EA: Automatic panel extractor |
| 3 SRB: Welding bench | 6 RULL: Motor-driven roller unit |



> Semiautomatic plant with automatic panel extraction and turnover. Composed of:

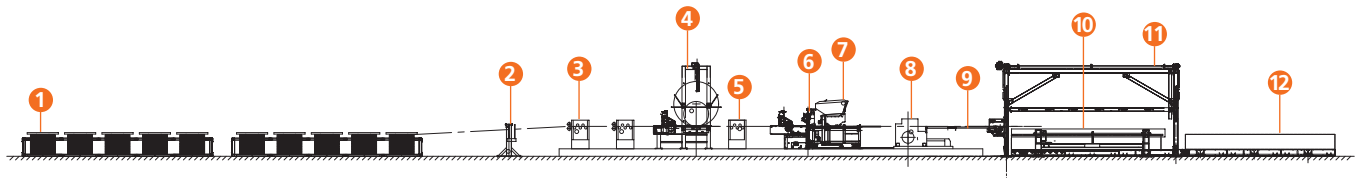
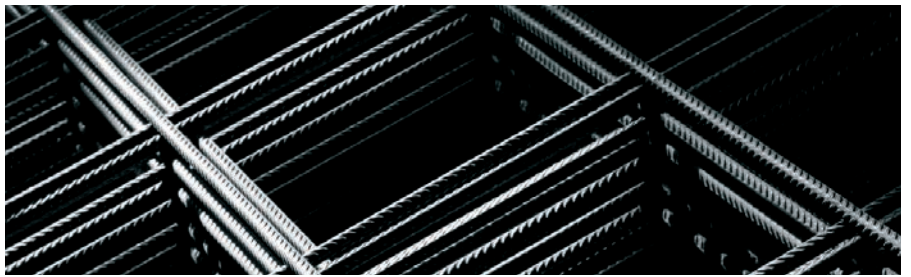
- | | |
|---|----------------------------------|
| 1 BAB: Line-wire feed conveyor | 5 EA: Automatic panel extractor |
| 2 ALL-SA: Servoassisted line-wire insertion | 6 RA: Automatic panel tilter |
| 3 SRB: Welding bench | 7 RULL: Motor-driven roller unit |
| 4 ATD: Fast cross-wire feeder | |



> Automatic panel. Composed of:

- | | |
|---|----------------------------------|
| 1 DCA: Automatic line-wire loading device | 5 EA: Automatic panel extractor |
| 2 ALL-SA: Servoassisted line-wire feeder | 6 RA: Automatic panel tilter |
| 3 SRB: Welding bench | 7 RULL: Motor-driven roller unit |
| 4 ATD: Fast cross-wire feeder | |

Mesh Line C/BC

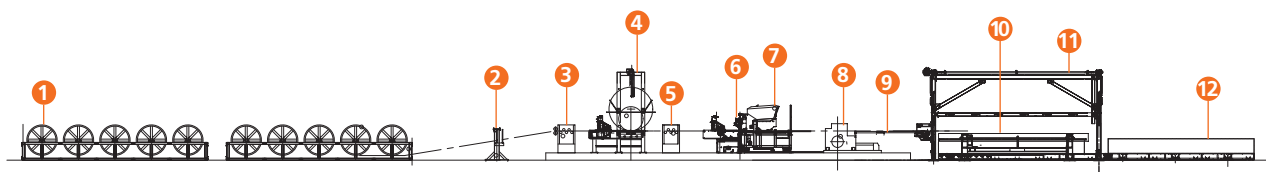
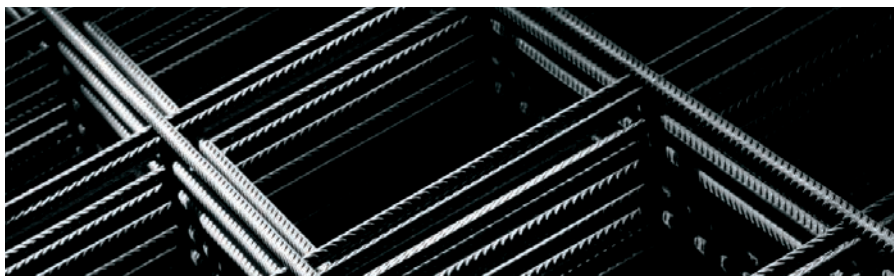


> Automatic vertical unwinding plant composed of:

- | | |
|---|-----------------------------------|
| 1 SVV, Vertical line-wire unwinder | 8 CUT, Shear |
| 2 GPF, Line-wire detection unit | 9 CEPC, panel extraction belt |
| 3 RAD 25-5 twin, First straightening unit | 10 EA, Automatic panel extractor |
| 4 AA, Line-wire pulling unit | 11 RA, Automatic panel tilter |
| 5 RAD 25-3, Second straightening unit | 12 RULL, Motor-driven roller unit |
| 6 SRC, Welding bench | |
| 7 ATD, Fast cross-wire feeder | |

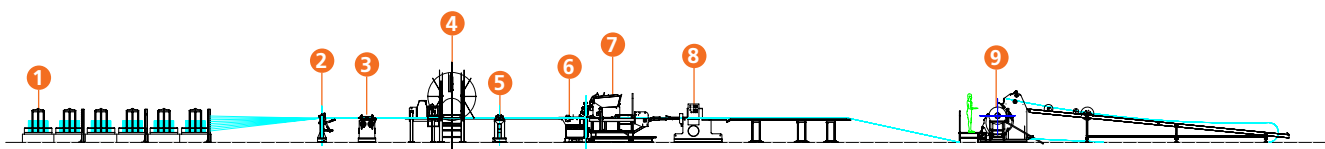


Configuration examples



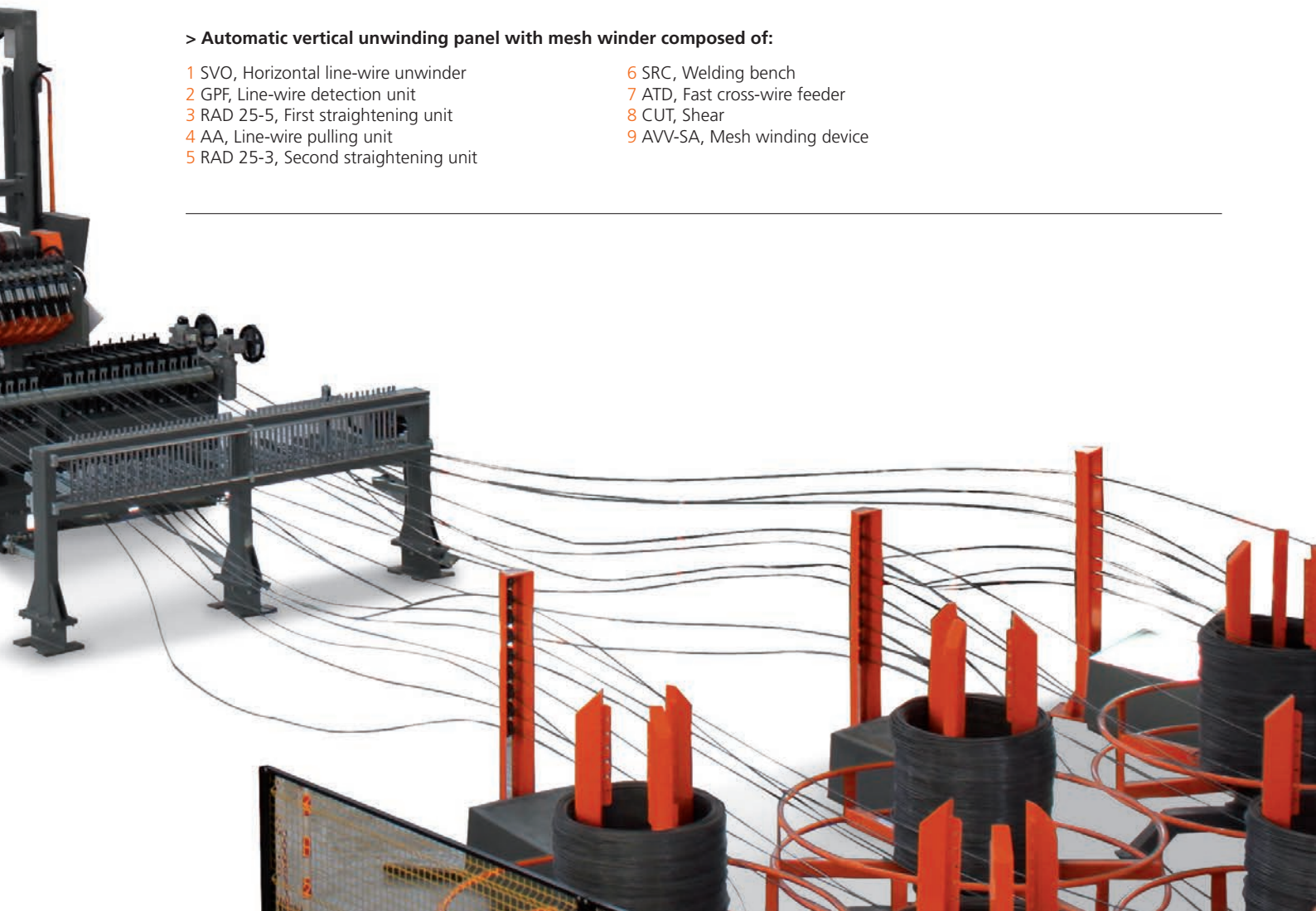
> Automatic horizontal unwinding plant composed of:

- | | |
|---------------------------------------|-----------------------------------|
| 1 SVO, Horizontal line-wire unwinder | 7 ATD, Fast cross-wire feeder |
| 2 GPF, Line-wire detection unit | 8 CUT, Shear |
| 3 RAD 25-5, First straightening unit | 9 CEPC, Panel extraction belt |
| 4 AA, Line-wire pulling unit | 10 EA, Automatic panel extractor |
| 5 RAD 25-3, Second straightening unit | 11 RA, Automatic panel tilter |
| 6 SRC, Welding bench | 12 RULL, Motor-driven roller unit |

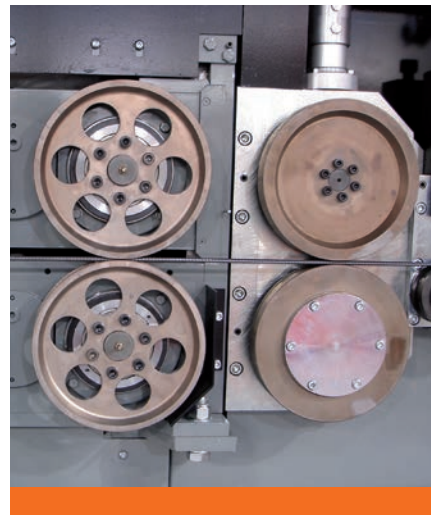
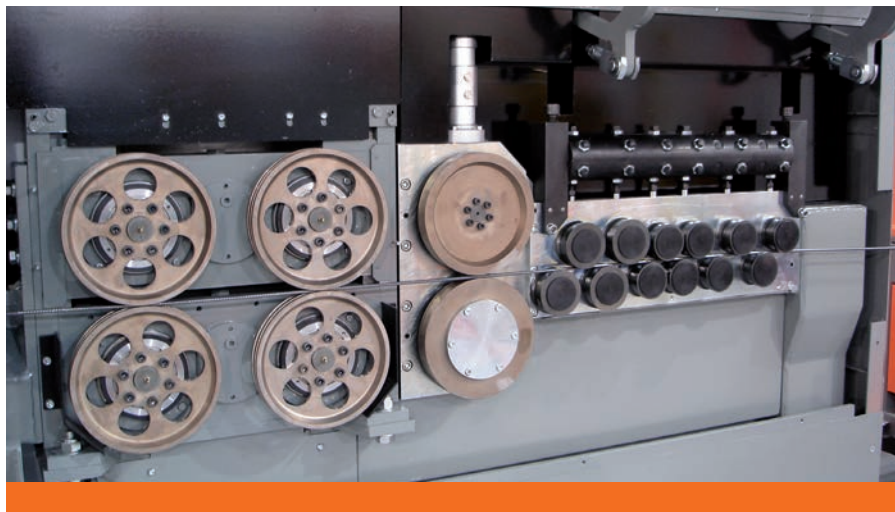
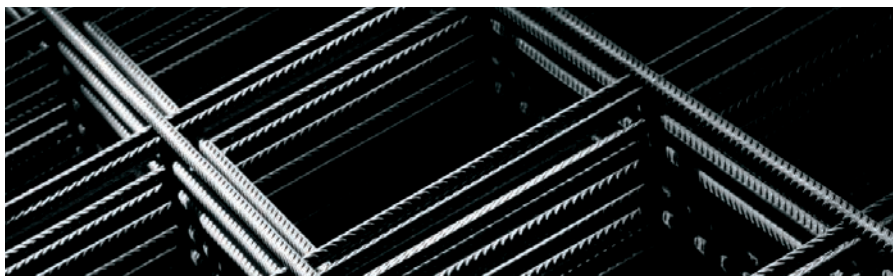


> Automatic vertical unwinding panel with mesh winder composed of:

- | | |
|---------------------------------------|-------------------------------|
| 1 SVO, Horizontal line-wire unwinder | 6 SRC, Welding bench |
| 2 GPF, Line-wire detection unit | 7 ATD, Fast cross-wire feeder |
| 3 RAD 25-5, First straightening unit | 8 CUT, Shear |
| 4 AA, Line-wire pulling unit | 9 AVV-SA, Mesh winding device |
| 5 RAD 25-3, Second straightening unit | |



Mesh Line C/CB C/CC



ATR COIL

System for feeding the transversal wires directly from coils.

Consisting of:

- 2 sets of straightening units (the cross wires are straightened on two planes);
- 1 Cross wire servo motor powered guillotine shear;
- Cross wire feeding unit and wire positioning system.

Sistema para la alimentación de los hilos transversales directamente de la bobina.
Formada por:

- 2 Grupos de enderezado (los hilos transversales son enderezados en dos planos);
- 1 Cizalla de guillotina para hilos transversales accionada por un servomotor;
- Alimentador de hilos transversales y Sistema de posicionamiento hilos.

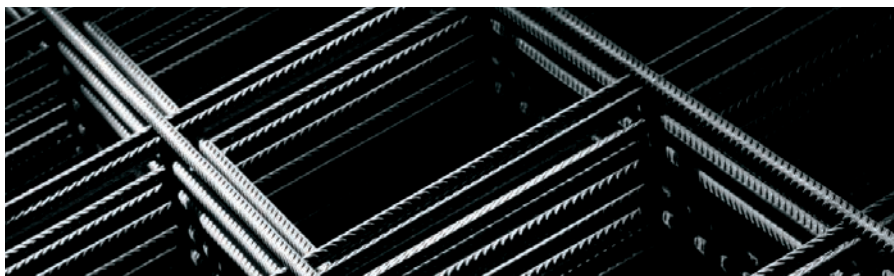
Système pour l'alimentation des fils transversaux directement à partir de la bobine
Composé par:

- 2 Groupes redresseurs (les fils transversaux sont redressés sur deux niveaux);
- 1 Cisaille à guillotine pour fils transversaux actionnée par le servomoteur
- Chargeur fils transversaux et Système de positionnement des fils

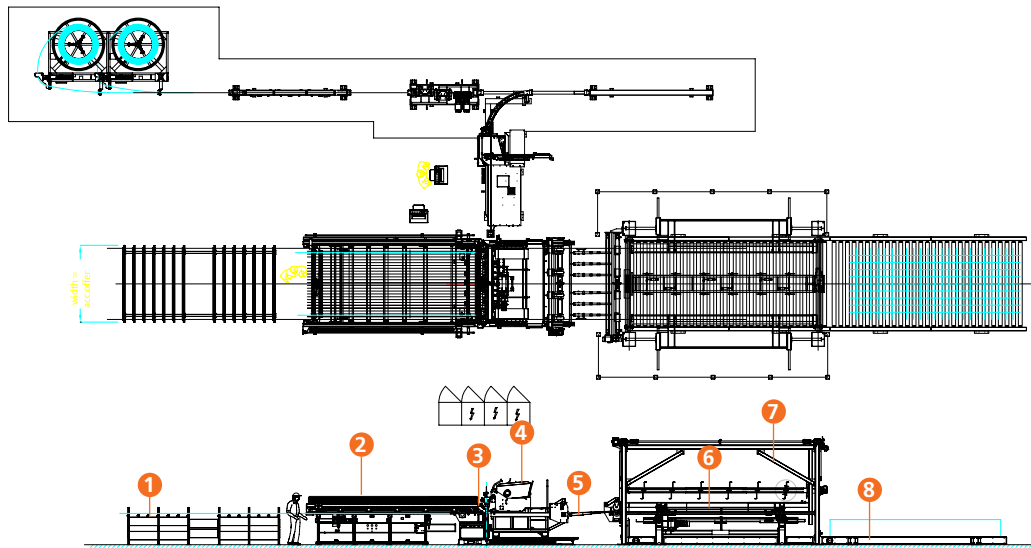
Sistema para a alimentação dos fios transversais diretamente da bobina.
É formada por:

- 2 Grupos de endireitamento (os fios transversais são endireitados em dois planos);
- 1 Cortadeira com guilhotina para fios transversais acionada por servo motor;
- 1 Alimentador fios transversais e relativo sistema de posicionamento fios.

Configuration examples

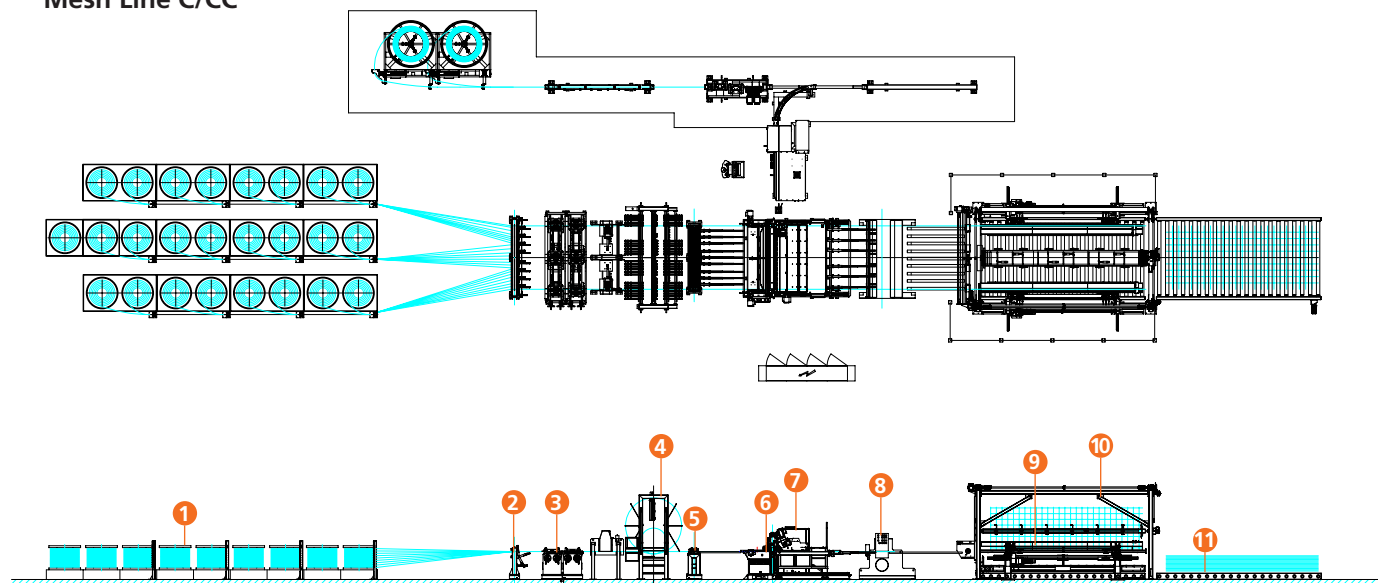


Mesh Line C/CB



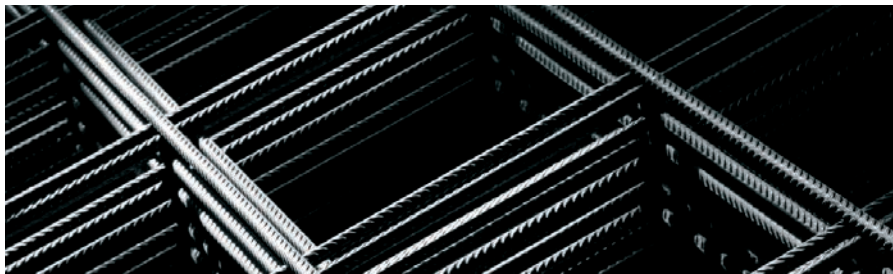
- | | |
|---|----------------------------------|
| 1 BAB, Line-wire feed conveyor | 5 EAR, Roller ejector |
| 2 ALL-SA, Servoassisted line-wire insertion | 6 EA, Automatic panel extractor |
| 3 SRB, Welding bench | 7 RA, Automatic panel tilter |
| 4 ATR-Coil, feeding the transversal wires | 8 RULL, Motor-driven roller unit |

Mesh Line C/CC



- | | |
|---------------------------------------|---|
| 1 SVV, Vertical line-wire unwinder | 7 ATR-Coil, feeding the transversal wires |
| 2 GPF, Line-wire detection unit | 8 CUT, Shear |
| 3 RAD 25-5, First straightening unit | 9 EA, Automatic panel extractor |
| 4 AA, Line-wire pulling unit | 10 RA, Automatic panel tilter |
| 5 RAD 25-3, Second straightening unit | 11 RULL, Motor-driven roller unit |
| 6 SRC-AV, Welding bench | |

Mesh Line Components



IFL

IFL

Device for mesh welding machines to align line wires in case of manual feeding.

Estructura integrada en la máquina soldadora para alinear los hilos longitudinales en caso de alimentación manual.

Structure intégrée dans la machine soudeuse pour aligner les fils longitudinaux en cas d'alimentation manuelle.

Estrutura integrada na máquina soldadora para alinhar os fios longitudinais em caso de alimentação manual.



ALL-CA

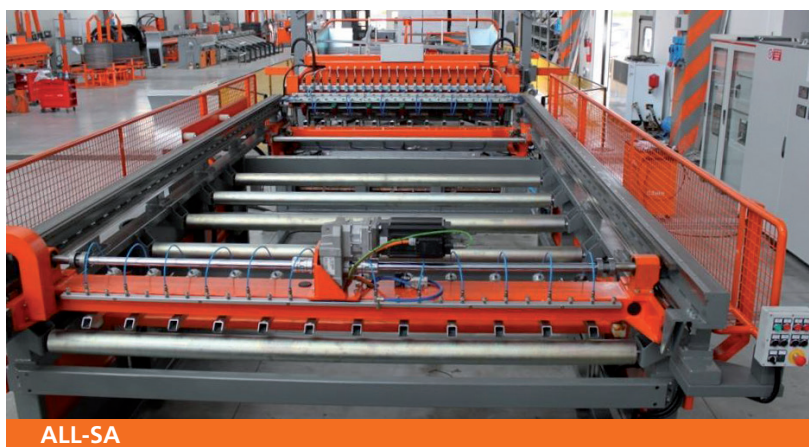
ALL-CA

Feeding unit with collection box for line wires of up to 8,5 mm in diameter.

Alimentador con contenedor de hilos longitudinales de diámetro hasta 8,5 mm.

Alimentateur à berceau pour fils longitudinaux avec diamètre jusqu'à 8,5 mm.

Alimentador com caixas para fios longitudinais com diâmetro de até 8,5 mm.



ALL-SA

ALL-SA

Servoassisted feeder which allows automatically inserting the wires loaded into the welding bench.

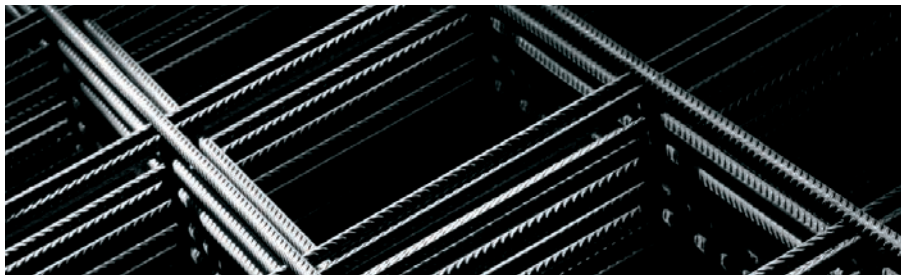
Alimentador servoasistido que permite introducir automáticamente los hilos cargados en el banco de soldadura.

Alimentateur servo-assisté, permettant d'introduire automatiquement les fils chargés sur le banc de soudure.

Alimentador servo-assistido, permite introducir automaticamente os fios carregados no banco de solda.



Mesh Line Components



ATD



ATD

Fast automatic crosswise-wire feeder for high productivity. Inserts pre-straightened wires directly into the welder with a diameter between 3 and 12 mm.

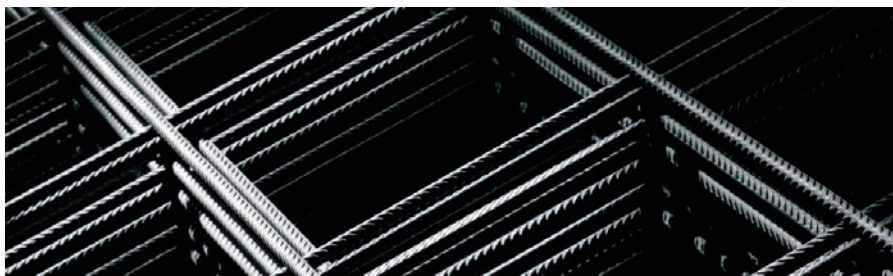
Alimentador automático rápido de hilos transversales con elevada productividad. Introduce directamente en la soldadora hilos previamente enderezados con diámetro comprendido entre 3 a 12 mm.



Alimentateur automatique rapide des fils transversaux à grande productivité. Introduit directement dans la soudeuse les fils pré-endressés d'un diamètre compris de 3 à 12 mm.

Alimentador automático veloz dos fios transversais e elevada produtividade. Insere-se diretamente na soldadora de fios pré-endreitados de diâmetro ente 3 a 12mm.

Mesh Line Components



FLY-OVER

Automatic cross-wire feeding unit for mesh line from coil.

Alimentador automático de hilos transversales para mesh line de carretes.

Dispositif d'alimentation automatique de fils transversaux pour ligne de maille à partir d'une bobine.

Alimentador automático de fios transversais para mesh line a partir de bobina.

FLY-OVER



ATC 3

Feeding unit for cold drawn or hot rolled cross wires $\varnothing$ 3 to 12 mm in diameter.

Alimentador de hilos transversales de diámetro de 3 a 12 mm para alambre trellado en frío o laminado en caliente.

Alimentateur automatique de fils transversaux, diamètre de 3 à 12 mm, pour fil laminé à froid ou à chaud.

Alimentador automático de fios transversais de diâmetro de 3 a 12 mm para ferro perfilado a frio laminado a quente.

ATC 3



EAR

Allows automatic extraction of the mesh sheet produced.

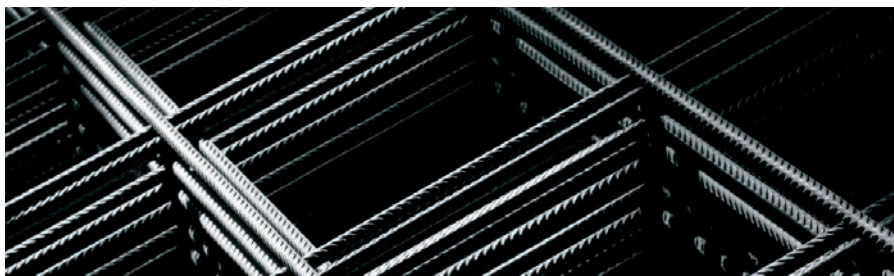
Permite la extracción automática del panel de red producida.

Permet l'extraction automatique du panneau de grillage produit.

Permite extrair automaticamente o painel de tela produzida.

EAR

Mesh Line Components



EA

Allows automatic extraction of the mesh sheet produced and subsequent stacking and compacting on the roller unit

Permite la extracción automática del panel de red producido y su posterior apilamiento y compactación controlada en la vía de rodillos.

Permet l'extraction automatique du panneau de grillage produit et l'empilement successif, puis le compactage contrôlé sur le groupe rouleaux.

Permite extrair automaticamente o painel de tela produzida, além disso, possibilita empilhar e compactar o painel controlando esses processos através de roldanas.

EA



RA

The tilter allows turning one mesh sheet every two produced in order to reduce the pack volume to be transported and stored.

El volcador permite girar una lámina de red por cada dos producciones, a fin de reducir el volumen del paquete a transportar y almacenar.

Le basculeur permet de retourner une feuille de grillage à chaque fois que deux sont produites, de manière à diminuer le volume du paquet à transporter et à stocker.

O tombador permite virar uma tela a cada duas produzidas, de modo a reduzir o volume do feixe a ser transportado e estocado.

RA



RULL

Motor-driven roller unit for extraction of the stacked mesh pack.

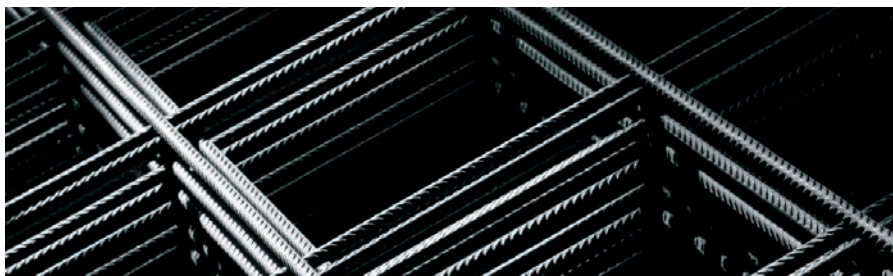
Vía de rodillos motorizada para la extracción del paquete de la red apilada.

Groupe rouleaux motorisé pour l'extraction du paquet de grillage empilé.

Roldana motriz para a extração do feixe de tela empilhada.

RULL

Mesh Line Components



SVV

SVV

Unwinding system for vertical coils.

Planta desenrolladora para bobinas verticales.

Installation dérouleur pour bobines verticales.

Desenrolador para bobinas verticais.



GR

GR

Unwinding system mod GR.

Planta desenrolladora mod GR.

Installation dérouleur mod GR.

Desenrolador mod GR.



GPF 25

GPF 25

The lengthwise-wire detection unit allows guiding the wires from the unwinders to the straightening unit.

El grupo de presencia de hilos longitudinales permite guiar los hilos desde los desenrolladores hasta el grupo enderezador.

Le groupe présence fils longitudinaux permet de guider les fils des dérouleurs vers le groupe dresseur.

O grupo de presença de fios longitudinais permite guiar os fios dos desenroladores até o sistema de endireitamento.



RAD 25-5

RAD 25-5

First lengthwise-wire straightener composed of 25 straightening units are mounted each with 5 wheels. Independent adjustment.

Primer enderezador de hilos longitudinales, compuesto 25 grupos enderezadores, cada uno con 5 ruedas. Regulación independiente.

Premier dresseur pour les fils longitudinaux, comprenant 25 groupes dresseurs ayant chacun 5 roues. Réglage indépendant.

Primeiro endireitador para fios longitudinais, composto por 25 grupos endireitadores cada um com 5 rodas. Regulagem independente.

RAD 25-5 Twin

Straightening unit for longitudinal wires made up of a solid frame of electro welded steel with 25 double straightening units at 45°.

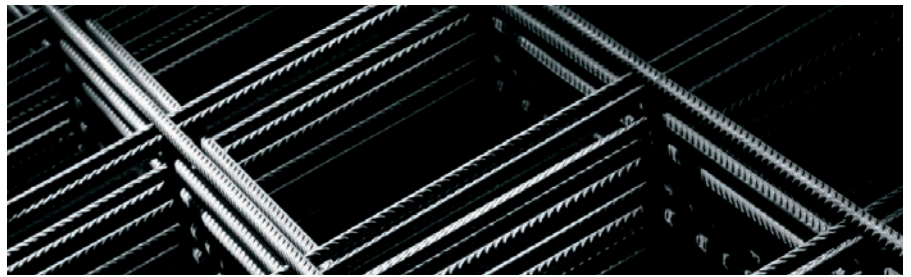
Enderezadora para hilos longitudinales formada por una sólida estructura de acero electrosoldado en la que se encuentran soldados 25 grupos de endezado dobles a 45°.

Dresseuse pour fils longitudinaux, composée d'une structure solide en acier électrosoudé sur laquelle sont montés en vertical 25 groupes redresseurs doubles à 45° par rapport à la verticale.

Esticador para fios longitudinais, composto por uma sólida estrutura em aço soldado eletricamente na qual estão montados na vertical, 25 grupos esticadores duplos a 45°.

RAD 25-5 Twin

Mesh Line Components



AA 25

AA 25

Allows dragging and balancing all the lengthwise wires.

Permite arrastrar y equilibrar todos los hilos longitudinales.

Permet d'entraîner et d'effectuer l'équilibrage de tous les fils longitudinaux.

Permite arrastar e efetuar o balanceamento de todos os fios longitudinais.



RAD 25-3

RAD 25-3

Second straightener composed of 25 straightening units are mounted each with 3 wheels. Independent adjustment.

Segundo enderezador, compuesto por 25 grupos enderezadores, cada uno con 3 ruedas. Regulación independiente.

Deuxième dresseur, comprenant 25 groupes dresseurs ayant chacun 3 roues. Réglage indépendant.

Segundo endireitador, composto por 25 grupos endireitadores cada um com 3 rodas. Regulagem independente.



CUT 24

CUT 24

The shears allows cutting the produced mesh sheet to the desired size. Cutting capacity 26 wires of 10 mm.

La cizalla permite cortar al a medida la lámina de red producida. Capacidad de corte 26 hilos diám. 10 mm.

La cisaille permet de couper sur mesure la feuille de grillage produite. Capacité de coupe 26 fils diam. 10 mm.

A cisaleta permite cortar sob medida a tela produzida. Capacidade de corte de 26 fios diâmetro 10mm



AVV-SA

AVV-SA

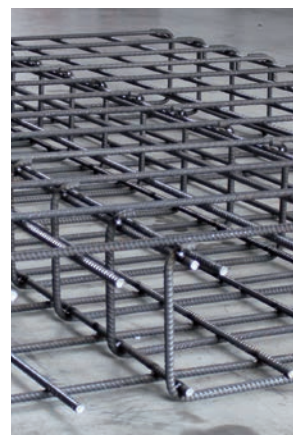
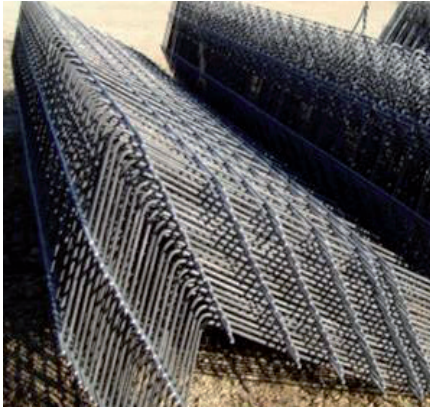
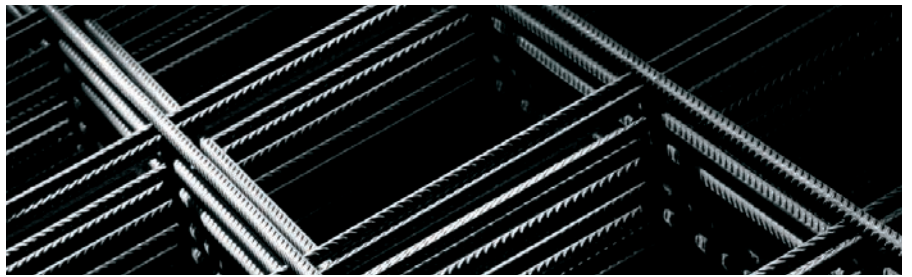
Device to continuously wind up the mesh produced into a roll.

Dispositivo para enrollar la red producida en continuo en un rollo.

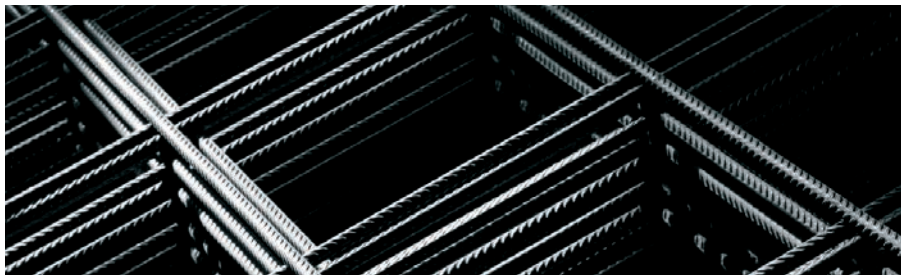
Dispositif pour enrouler le grillage produit en continu en rouleau.

Dispositivo para rebobinar a rede soldada eletricamente em rótulos.

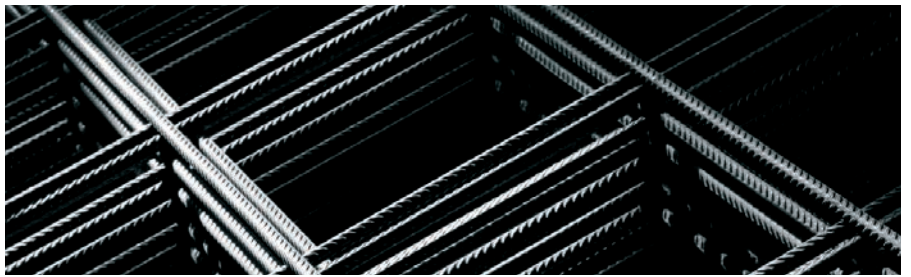
Engineered Mesh Line

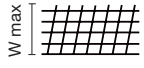
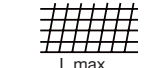
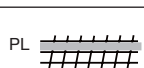
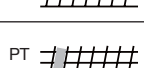
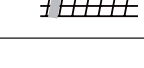


Engineered Mesh Line

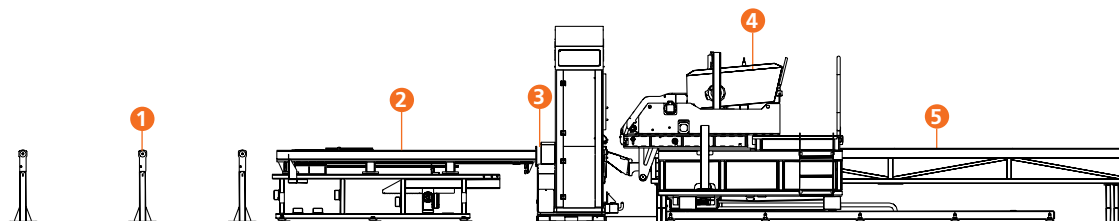
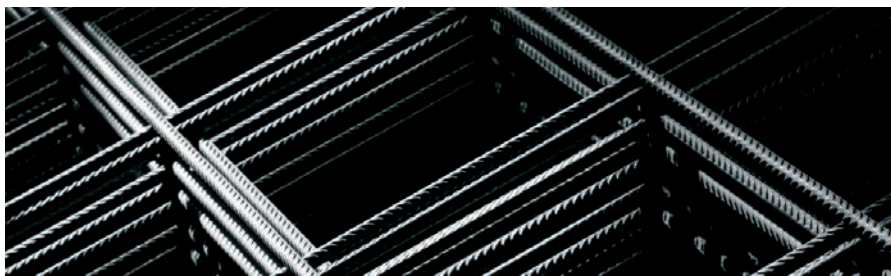


Multi Assembler

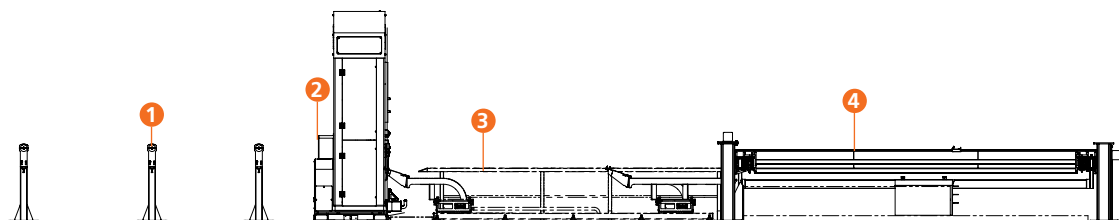


	Nominal machine widths	min	900 mm	900 mm	2'-11"	2'-11"
		max	3000 mm	4000 mm	9'-10"	13'
	Mesh panel lengths		up to 16 m		up to 52'	
	Nr. Max line wire		31	45	31	45
	Line wire spacing	min	80 mm (50 mm on request)		3" (2" on request)	
	Stepless cross wire spacing	min	50 mm		2"	
	Wire diameters	Ø	25 mm with 16 mm 20 mm with 20 mm (32 mm with 16 mm on request)		# 8 with # 5 # 6 with # 6 (# 10 with # 5 on request)	

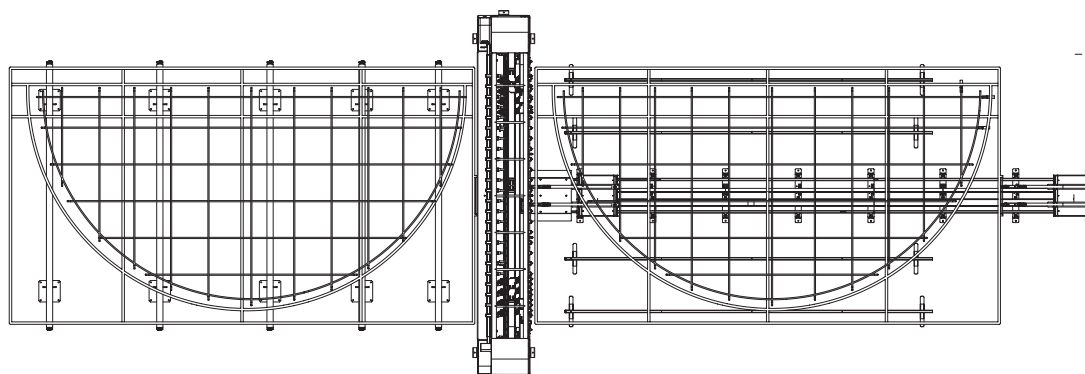
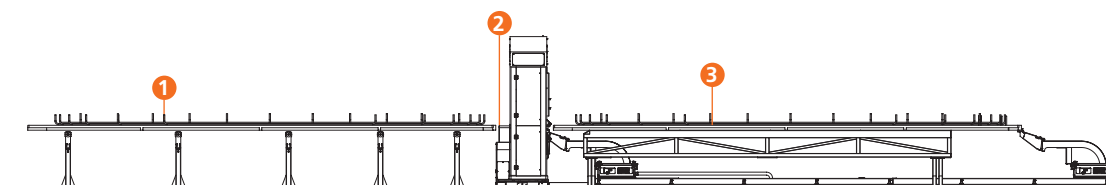
Configuration examples



- 1 Loading supports for bars
- 2 Servoassisted longitudinal-wire feeder
- 3 Welding units with movable heads
- 4 Automatic cross-wire feeder
- 5 Extraction unit

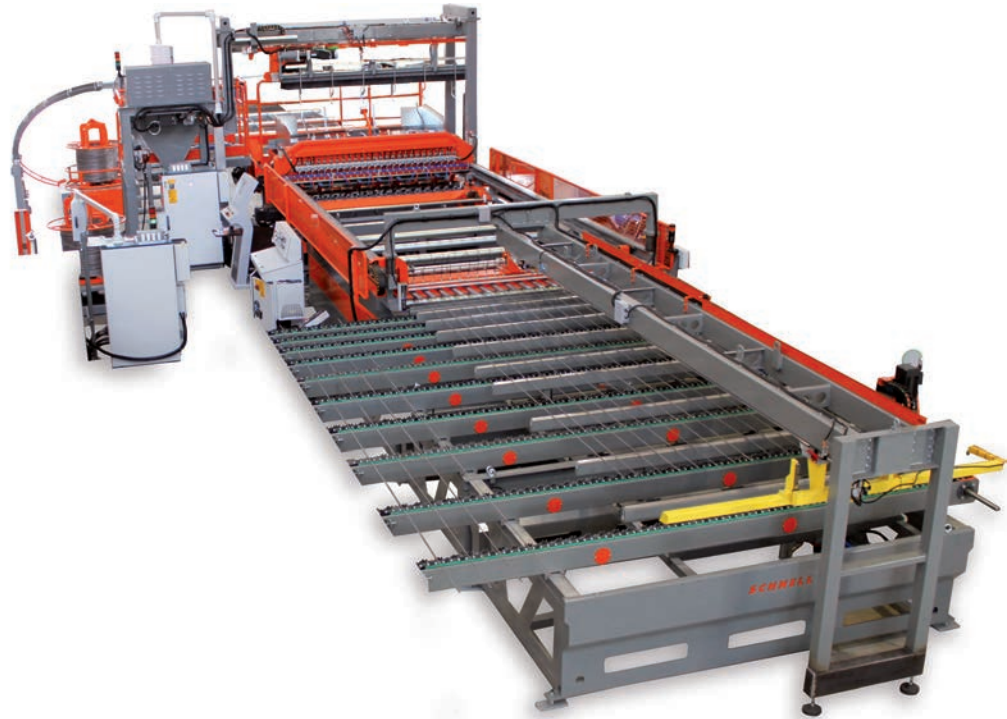
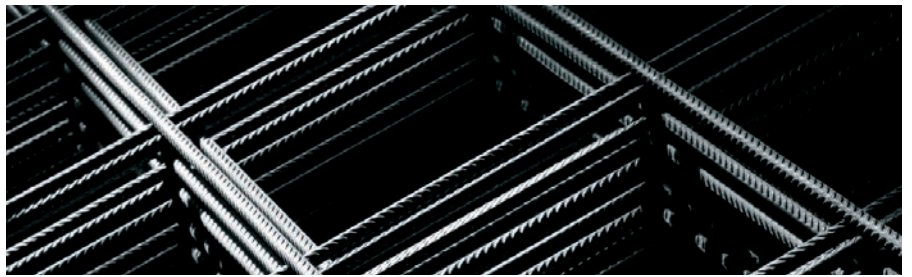


- 1 Loading supports for bars
- 2 Welding units with movable heads
- 3 Extraction unit
- 4 Automatic collecting device

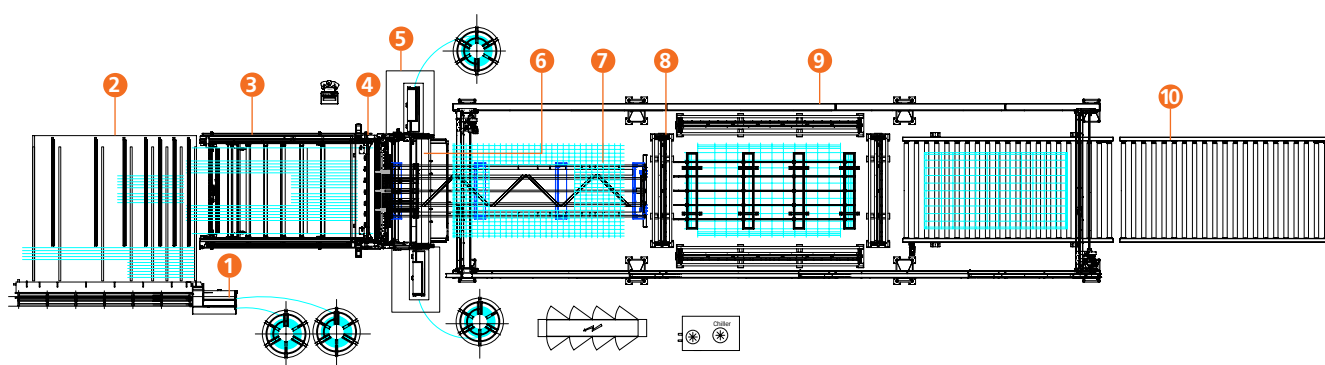
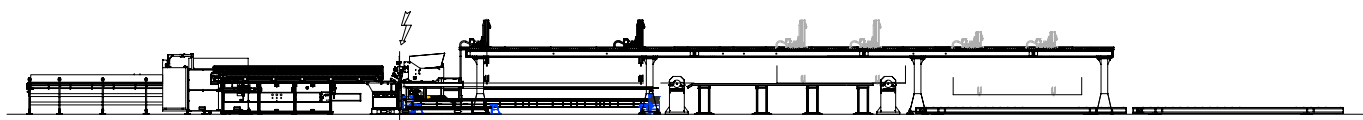
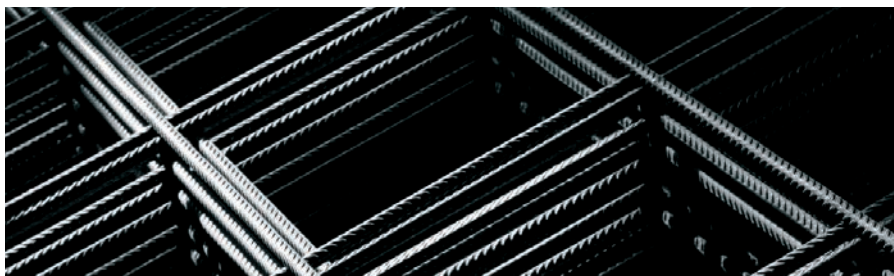


- 1 Loading supports for bars
- 2 Welding units with movable heads
- 3 Extraction unit

Versa-line E



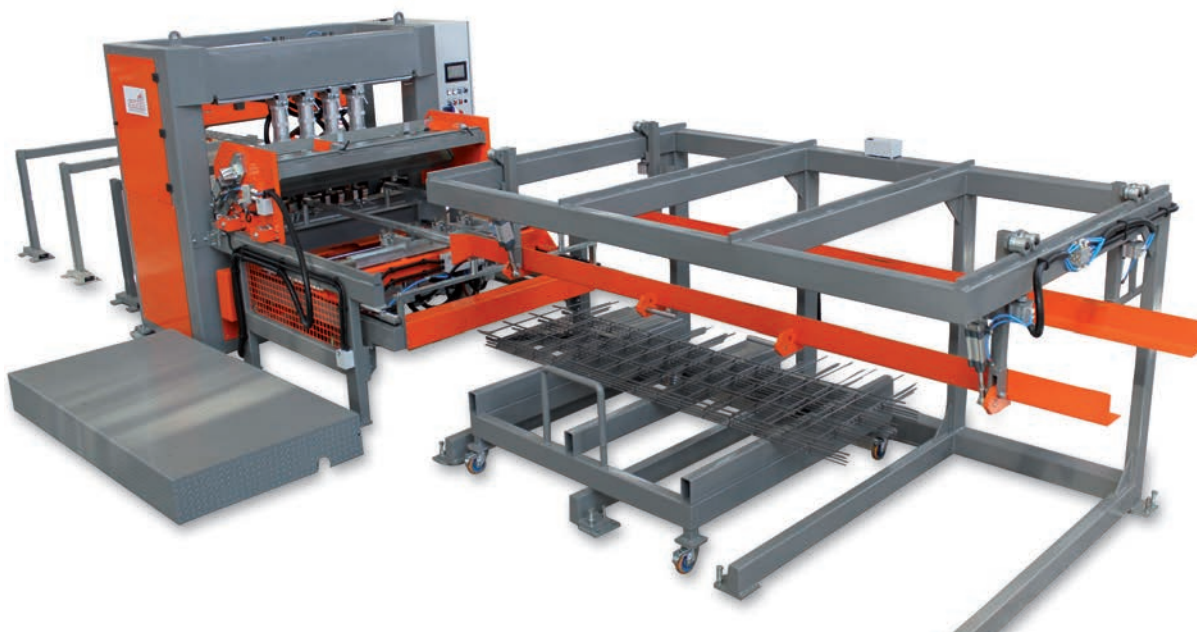
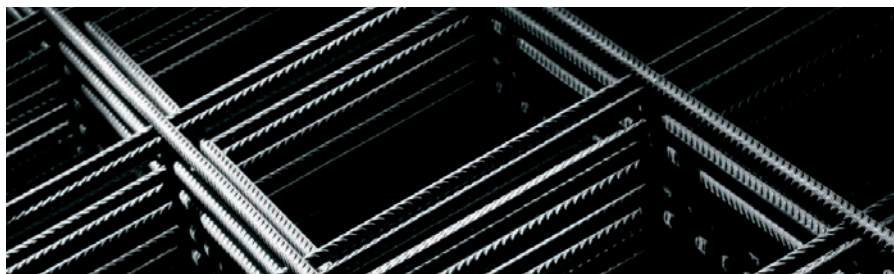
Versa-line S

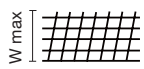
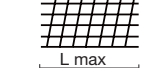
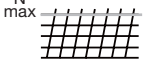
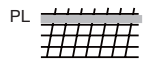
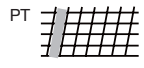
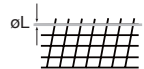
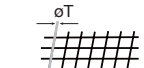


- | | |
|--|-------------------------------|
| 1 Straightening machine (R8) | 6 Automatic cross-wire feeder |
| 2 Carriage for wire mesh production | 7 Extraction unit |
| 3 Servoassisted longitudinal-wire feeder | 8 Mesh bending machines |
| 4 Welding bench | 9 Automatic Collecting device |
| 5 Straightening machine (R8) | 10 Roller unit |

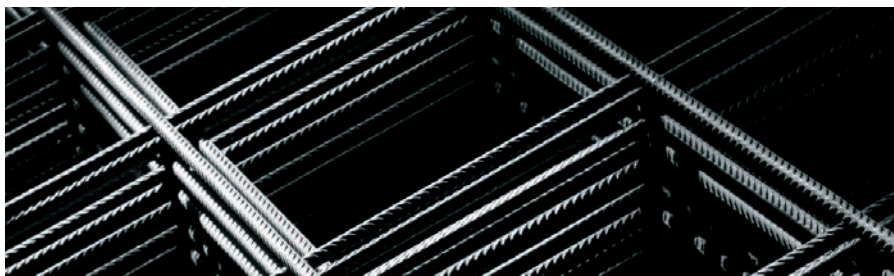
	Nominal machine widths	min	300 mm	12"
		max	4000 mm	11'-10"
	Mesh panel lengths		up to 12 m	up to 40'-8"
	Nr. Max line wire		39	39
	Line wire spacing	min	50 mm	2"
	Stepless cross wire spacing	min	20 mm	6/8"
	Line wire diameter		4 mm - 13 mm	
	Cross wire diameter		4 mm - 13 mm	
	Max working speed, number of strokes up to		120 cross wires/min	

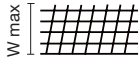
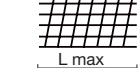
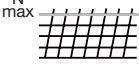
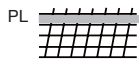
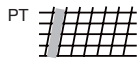
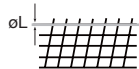
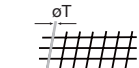
Pop-spacer 1200



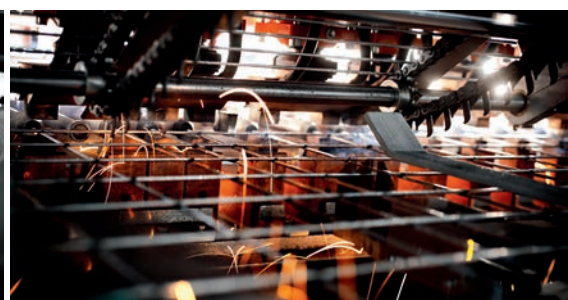
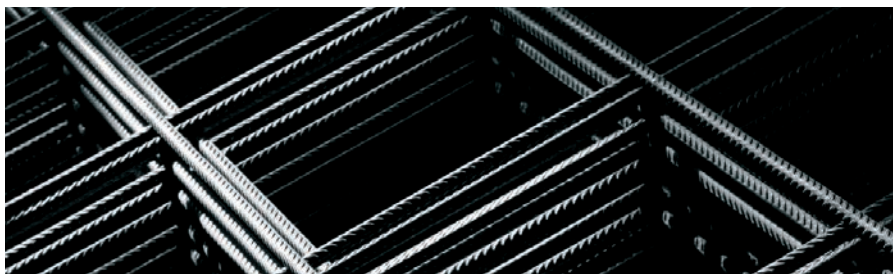
	Nominal machine widths	min	100 mm	4"
		max	1200 mm	3'-11"
	Mesh panel lengths		7 m	22'-12"
	Nr. Max line wire		2/4	2/4
	Line wire spacing		100-500 mm	4" ÷ 1'-8"
	Stepless cross wire spacing		50-800 mm	2" ÷ 2'-7"
	Line wire diameter		4 mm - 13 mm	
	Cross wire diameter		4 mm - 13 mm	
	Max working speed, number of strokes up to		50 cross wires/min	

My Mesh



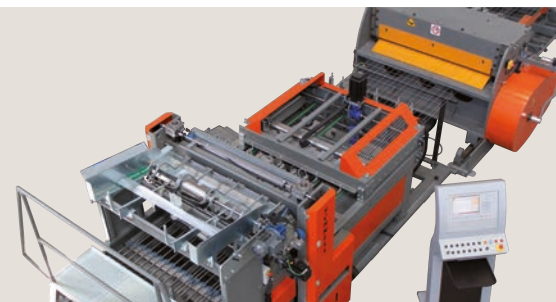
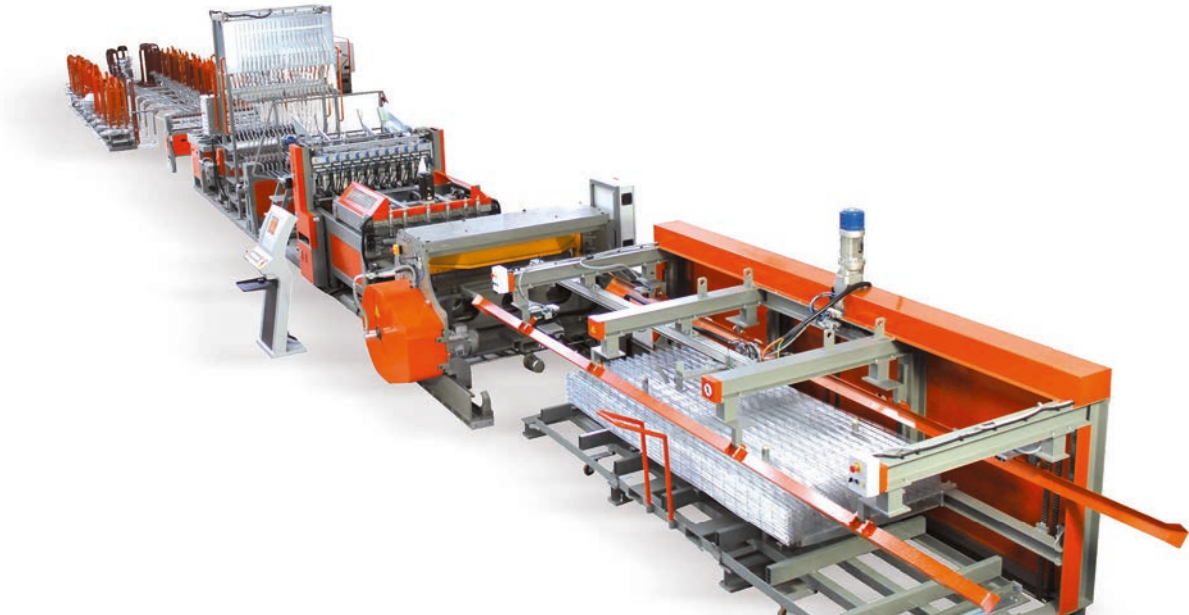
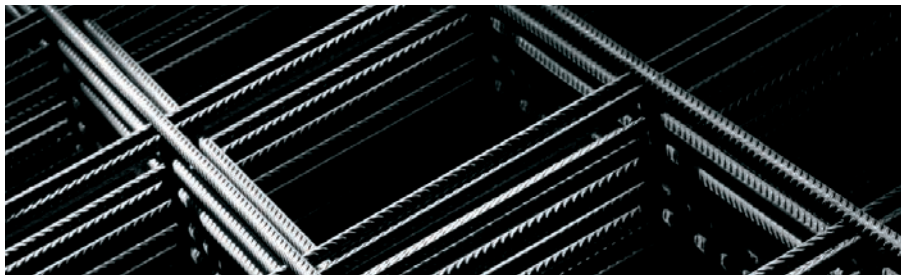
	Nominal machine widths	min	80 mm	3"
		max	2000 mm	5'-3"
	Mesh panel lengths		7 m	22'-12"
	Nr. Max line wire		2/10	2/10
	Line wire spacing		50-500 mm	2" ÷ 1'-8"
	Stepless cross wire spacing		50-1500 mm	2" ÷ 4'-11"
	Line wire diameter		4 mm - 16 mm	
	Cross wire diameter		4 mm - 13 mm	
	Max working speed, number of strokes up to		90 cross wires/min	

Mesh Line 1250 I/BB

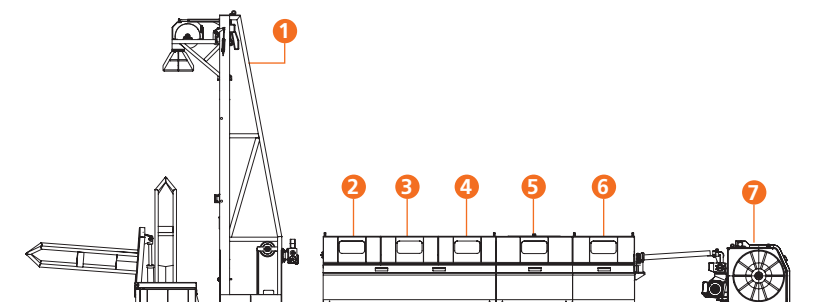
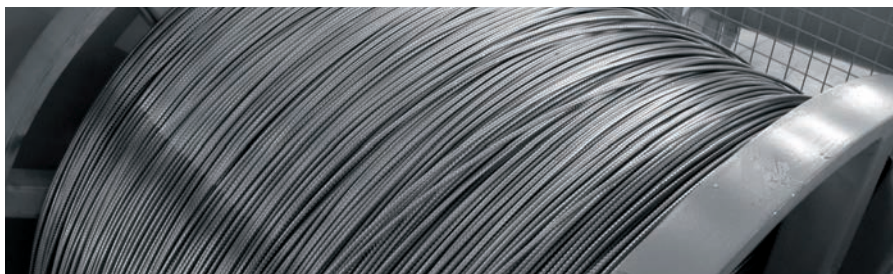


W max 	Nominal machine widths	max	1300 mm	4'-3"
 L max	Mesh panel lengths		2 m ÷ 6 m	6'-7" ÷ 19'-8"
N max 	Nr. Max line wire		20	20
PL 	Line wire spacing	min	40 mm	1 5/8"
PT 	Stepless cross wire spacing	min	25 mm	1"
øL 	Line wire diameter		2,4 mm - 6 mm	
øT 	Cross wire diameter		2,4 mm - 4 mm (6 mm on request)	
 Wires min	Max working speed, number of strokes up to		120 cross wires/min	

Mesh Line 1250 I/BC



	Nominal machine widths	max	1300 mm	4'-3"
	Mesh panel lengths		no limits	no limits
	Nr. Max line wire		20	20
	Line wire spacing	min	40 mm	1 5/8"
	Stepless cross wire spacing	min	25 mm	1"
	Line wire diameter		3 mm	
	Cross wire diameter		3 mm	
	Max working speed, number of strokes up to		120 cross wires/min	



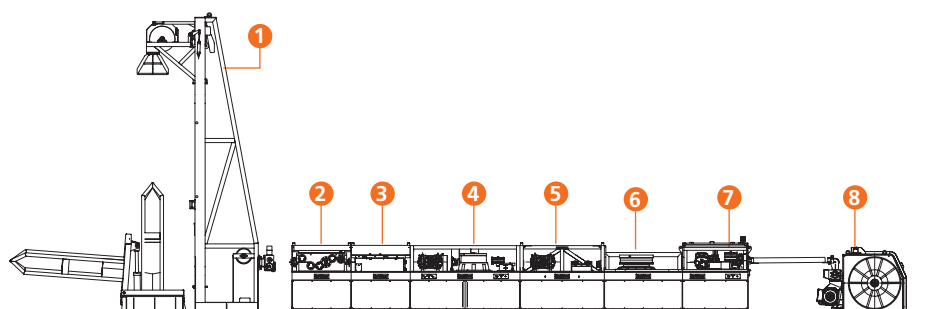
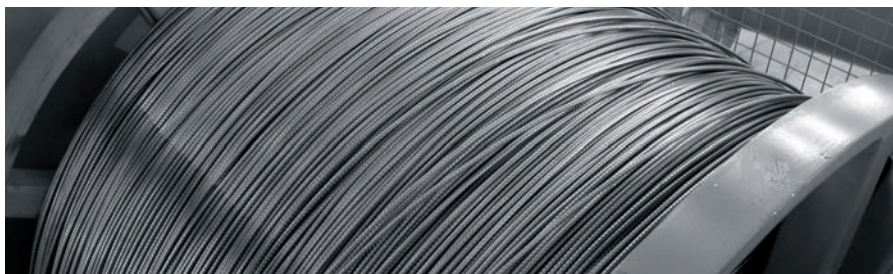
- 1 SV: Vertical pay off
- 2 SM: Descaling unit
- 3 DL: Lubricant distributor
- 4 PCD: Double cassette support
- 5 MV2: Double block
- 6 PCS: Single cassette support
- 7 BO3: Horizontal spooler

> Coldrive MV 4-12 mm

Model	Number of passes	Max speed	Out wire ø (min- Max)
MV	2	12 m/s	4-12 mm
2MV	2+1	12 m/s	3,4-12 mm
3MV	3	14 m/s	3,4-8 mm
4MV	4	14 m/s	3-8 mm
MVS	2	8 m/s	4-10 mm
3MVS	3	8 m/s	3,4-8 mm

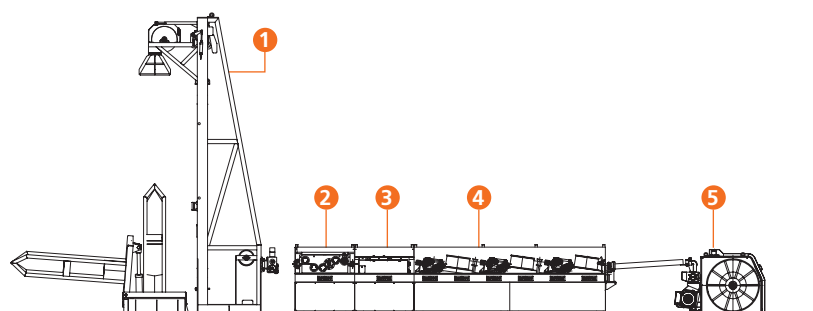


Configuration examples



- 1 SV: Vertical pay off
- 2 SM: Descaling unit
- 3 DL: Lubricant distributor
- 4 MV: Single block
- 5 PCD: Double cassette support
- 6 MV2: Double block
- 7 PCS: Single cassette support
- 8 BO3: Horizontal spooler

> Coldrive 2MV 3,4-12 mm

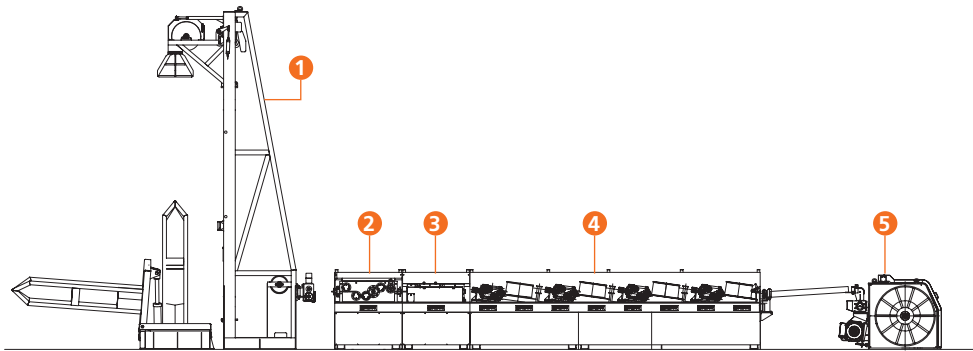


- 1 SV: Vertical pay off
- 2 SM: Descaling unit
- 3 DL: Lubricant distributor
- 4 3MV: Three draft block
- 5 BO3: Horizontal spooler

> Coldrive 3MV 3,4-8 mm

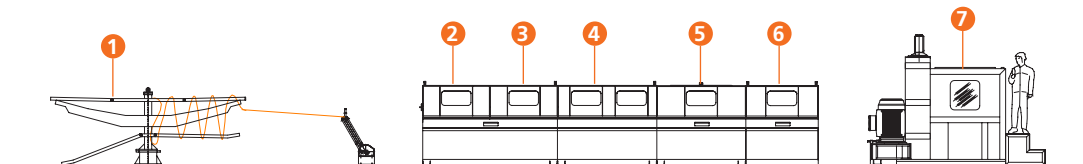


Configuration examples



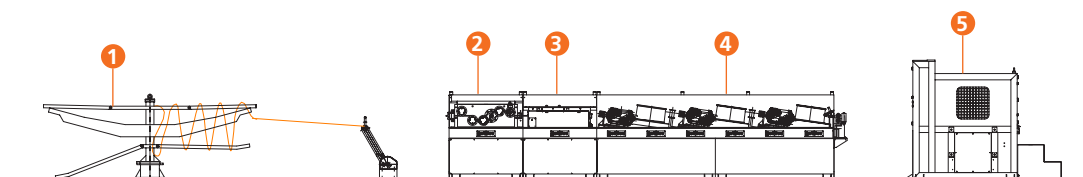
- 1 SV: Vertical pay off
- 2 SM: Descaling unit
- 3 DL: Lubricant distributor
- 4 4MV: Four draft block
- 5 BO3: Horizontal spooler

> Coldrive 4MV 3-8 mm



- 1 SO: Horizontal pay off
- 2 SM: Descaling unit
- 3 DL: Lubricant distributor
- 4 PCD: Double cassette support
- 5 MV2: Double block
- 6 PCS: Single cassette support
- 7 BV: Vertical spooler

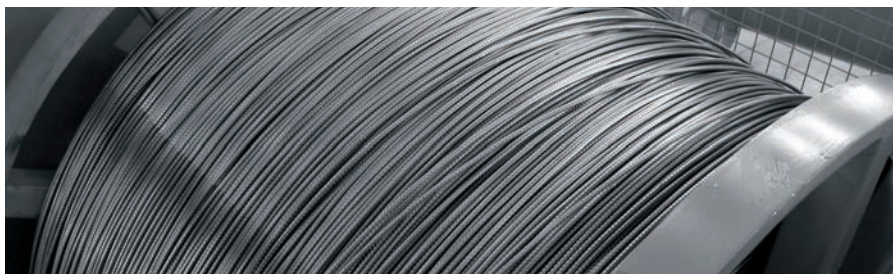
> Coldrive MVS 4-10 mm



- 1 SO: Horizontal pay off
- 2 SM: Descaling unit
- 3 DL: Lubricant distributor
- 4 3MV: Three draft block
- 5 BV: Vertical spooler

> Coldrive 3MVS 3,4-8 mm

Coldrive Components



SV

SV

The vertical unwinding unit allows to properly unwind the wire rod.

Grupo serpentina a eje vertical permite el correcto desarrollo del alambión.

Groupe dérouleur à axe vertical qui permet le correct déroulement du fil-machine.

Grupo desbobinador de eixo vertical permite desbobinar correctamente o arame.



POL

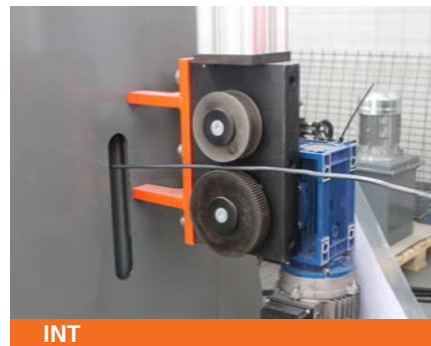
POL

Security carriage device: It allows the quick arrest of the line in case of grounding, without breaking the wire.

Dispositivo pulmón de seguridad: permite la detención rápida de la línea en caso de estorbos, sin rotura del hierro.

Dispositif poumon de sécurité: permet l'arrêt rapide de la ligne en cas de coincements, sans rupture du fil.

Dispositivo pulmão de segurança: permite la detención rápida de la línea en caso de estorbos, sin rotura del hierro



INT

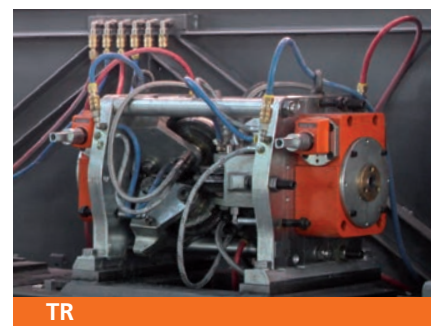
INT

Feeding device. It helps the operator allowing the drawing of the wire from the unwinding unit to the rolling line block.

Aparato introductor. Facilita las operaciones permitiendo el remolque del hierro de la serpentina al bloque de la línea de laminación.

Dispositif introducteur. Il avantage l'opérateur en permettant l'avancement du fil du dérouleur au bloc de la ligne de laminage.

Dispositivo introdutor. Facilita o operador permitindo a tração do fio desde o desbobinador até ao bloco da linha de laminação.



TR

TR

Cassette for rolling. For rolling/profiling operations. Every cassette consists of three rollers bent at 120°.

Caja de laminación. Para ejecutar las operaciones de laminación/perfiladura del hierro. Cada caja es constituida por tres rodillos inclinados a 120°.

Boîte de laminage. Pour exécuter les opérations de laminage/profilage du fil. Chaque boîte est constituée de 3 galets inclinés à 120°.

Caixa de laminação. Para efetuar as operações de laminação/perfilagem do ferro. Cada caixa está constituída por três cilindros inclinados a 120°.



DL

DL

Lubricant distributor.

Grupo distribuidor lubricante.

Groupe distributeur lubrifiant.

Grupo distribuição lubrificante.



SM

SM

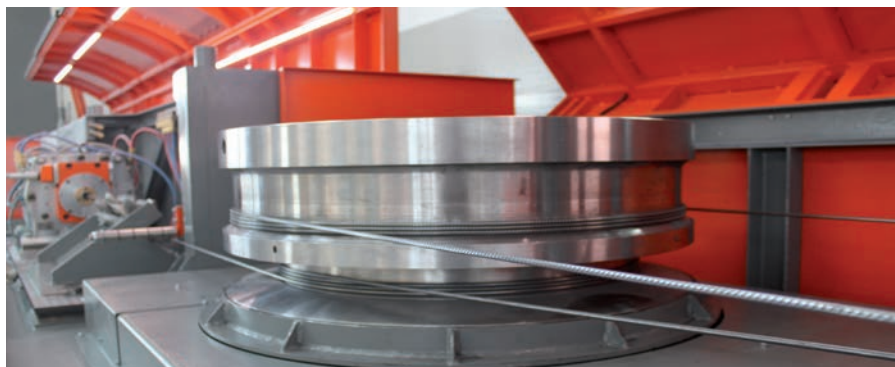
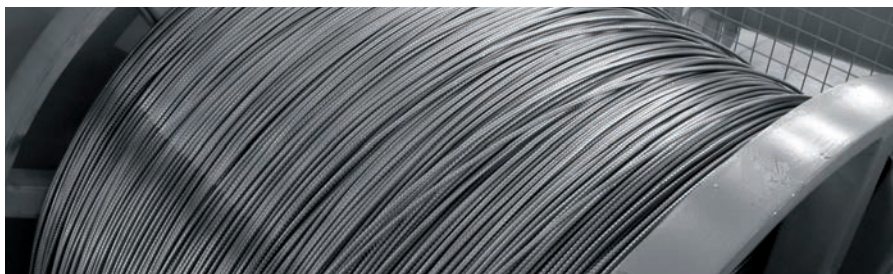
The descaling unit allows removing the calamine from the surface of the wire.

Grupo decalaminador permite eliminar la calamina presente sobre la superficie del hierro.

Groupe de décalaminage qui permet d'éliminer la calamine présente sur la surface du fil.

Grupo limpeza calamina permite eliminar a calamina existente na superfície do fio.

Coldrive Components



MV

MV: Vertical capstan for drawing the rod while processed. The threading cassettes are installed on the mono-block. Number of passes: 2.

Cabestrante a eje vertical por el arrastre del alambión en elaboración. Sobre el monobloque son instaladas las cajas de trefilado. Numero pasos: 2.

Cabestan à axe vertical pour l'avancement du fil-machine en usinage. Sur le monobloc sont installées les boîtes de trefilage. Numéro de passages: 2.

Cabestrante de eixo vertical para a tração do arame em elaboração. No monobloco estão instaladas as caixas de trefilagem. Numero passagens: 2.



2MV

Machine with multiple capstans . It is made of vertical capstans installed in series, with automatic control and direct regulation of the speed and the drawing. Cassettes for rolling/profiling will be installed on this structure.

Maquina a cabrestanos múltiples. Constituida por cabrestanos verticales instalados en serie, con control automático y regulación directa del tiro y la velocidad. Sobre esta estructura serán instaladas las cajas de laminación/perfiladura.

Machine à cabestans multiples.

Elle est constituée par des cabestans verticaux installés en série, avec contrôle automatique et régulation directe du tirage et de la vitesse. Les boîtes de laminage/profilage sont installées sur cette structure.

Machine with multiple capstans .

It is made of vertical capstans installed in series, with automatic control and direct regulation of the speed and the drawing. Cassettes for rolling/profiling will be installed on this structure.



SP

Strain relieving unit.

Grupo relajador.

Groupe de déformation.

Grupo endireitador.

Coldrive Components



BO 3

Horizontal spooler, allows collecting the wire on the spooler. It is provided with wire guide at variable pitch. Maximum gross weight of the spooler: 3000 kg. Maximum speed: 12 m/sec.

Bobinador horizontal, permite la colección del hilo sobre el carrete. Dotado de guiahilos a paso variable. Max. peso bruto carrete: 3000 kg. Velocidad max 12 m/sec.

Bobineur horizontal qui permet la collecte du fil sur le rochet. Doté de guide-fil à pas variable. Max poids lourd rochet: 3000 kg. Vitesse max 12 mt/sec.

Bobinador horizontal, permite recolher o fio na fieira. Equipado com guia-fio com passo variável. Max. peso bruto fieira: 3000 kg. Velocidade max 12 m/seg.



BV

Vertical spooler, allows collecting the wire on the spooler. It is provided with wire guide at variable pitch. Maximum gross weight of the spooler: MV: 3000 kg; Maximum speed: 12 m/sec. MVS: 2000 kg; Maximum speed: 8 m/sec.

Bobinador vertical permite la colección del hilo sobre el carrete. Dotado de guiahilos a paso variable. Max. peso bruto carrete: MV: 3000 kg; Velocidad max 12 m/sec. MVS: 2000 kg; Velocidad max 8 m/sec.

Bobineur vertical qui permet la collecte du fil sur le rochet. Doté de guide-fil à pas variable. Max poids lourd rochet: MV: 3000 kg; Vitesse max 12 mt/sec. MVS: 2000 kg; Vitesse max 8 mt/sec.

Bobinador vertical permite recolher o fio na fieira. Equipado com guia fio de passo variável. Max. peso bruto fieira: MV: 3000 kg; Velocidade máx 12 m/seg. MVS: 2000 kg; Velocidade máx 8 m/seg.

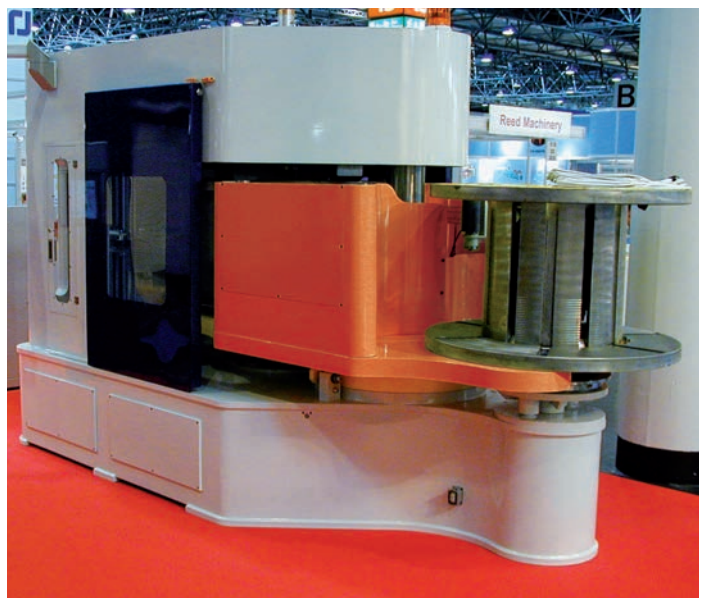
BVDA

Double vertical automatic spooler, allows the simultaneous collection of the wire and the loading/unloading of the new spooler. Maximum gross weight of the spooler: 2000/3000 kg. Maximum speed: 12 m/sec.

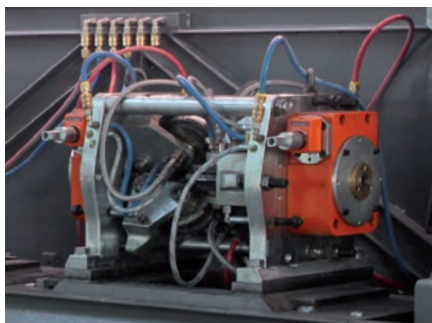
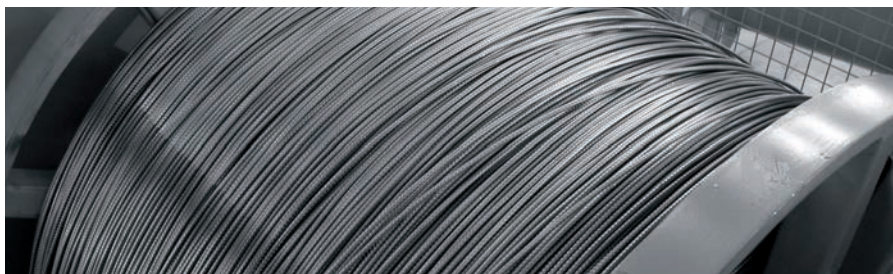
Bobinador vertical doble automático permite al mismo tiempo la colección del hilo y descargar/cargar el nuevo carrete. Max. peso bruto carrete: 2000/3000 kg. Velocidad max 12 m/sec.

Bobineur vertical double automatique qui permet d'effectuer au même temps la collecte du fil et le déchargement / chargement du nouveau rochet. Max poids lourd rochet : 2000/3000 kg. Vitesse max 12 mt/sec.

Bobinador vertical duplo automático permite ao mesmo tempo de recolher o fio e descarregar/carregar a nova fieira. Max. peso bruto fieira: 2000/3000 kg. Velocidade máx 12 m/seg. A máquina está equipada com sistema de corte automático do fio."



Coldrive Components



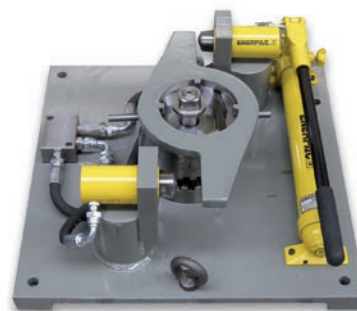
Cassette TR.
Caja TR.
Boîte TR.
Caixa TR.



Set of rollers for the production of ribbed wire.
Plató de rodillos para la producción del hierro corrugado.
Set de galets pour la production du fer nervuré.
Kit de cilindros para a produção de ferro ondulado.



Additional spoolers.
Carretes adicionales.
Rochets supplémentaires.
Fieiras adicionais.

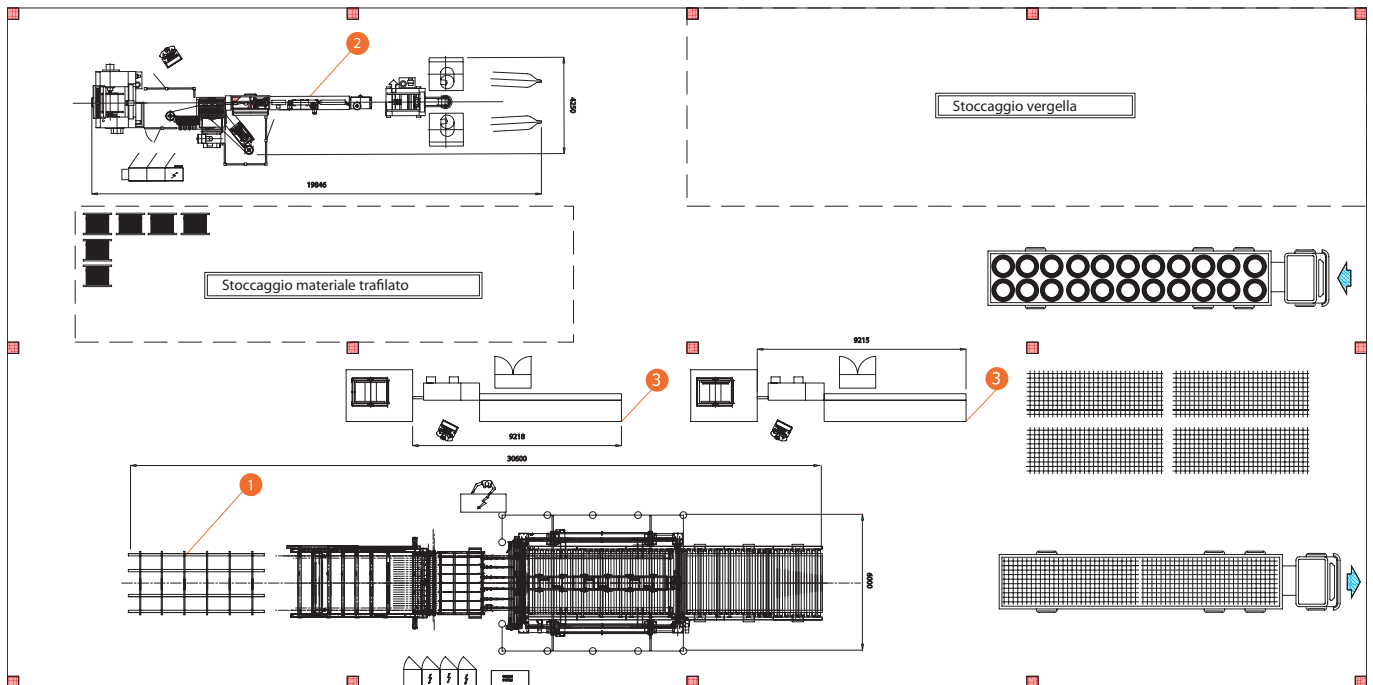


Roller blocking device.
Dispositivo bloqueo rodillos.
Dispositif blocage galets.
Dispositivo de bloqueio cilindros.

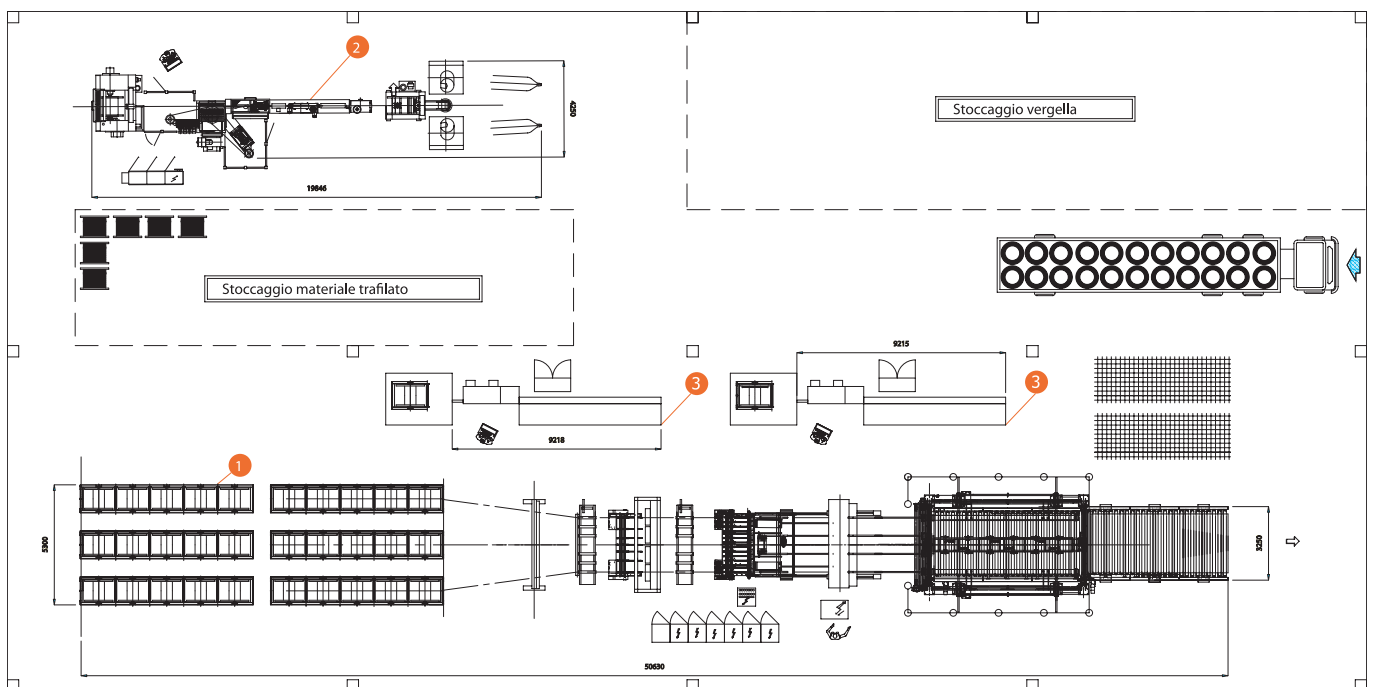


Roller tilter bringing the spooler from the horizontal to the vertical position.
Bascualdor de carretes para llevar los carretes de la posición horizontal a la vertical.
Basculeur des rochets pour porter les rochets de la position horizontale à la verticale.
Vira fieiras para levá-los da posição horizontal àquela vertical.

Production Layout



> 1 Mesh Line BB • 2 Cold Rolling Line • 3 Straightening machines



> 1 Mesh Line BC • 2 Cold Rolling Line • 3 Straightening machines

R 8



Straightening machines • Enderezadoras • Redresseuses • Endereitadeiras

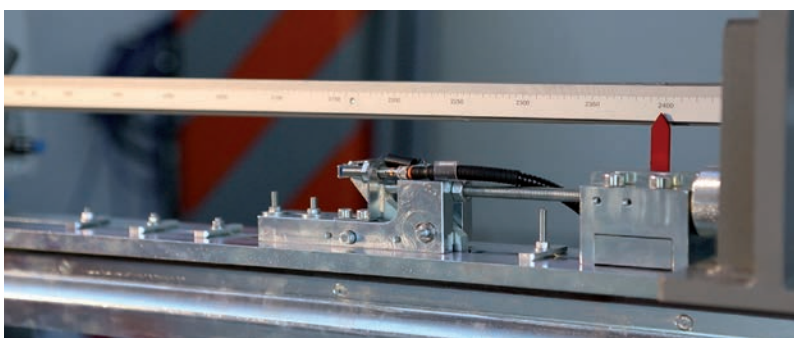


	Single strand ÷ up to $\varnothing$ mm <i>Cold material</i>	3 ÷ 8 mm	# 2 ÷ # 3
	Max Pulling speed	160 m / min	525 ft / min
	Average electric power consumption	4 kW / h	

R 13



Straightening machines • Enderezadoras • Redresseuses • Endreitadeiras

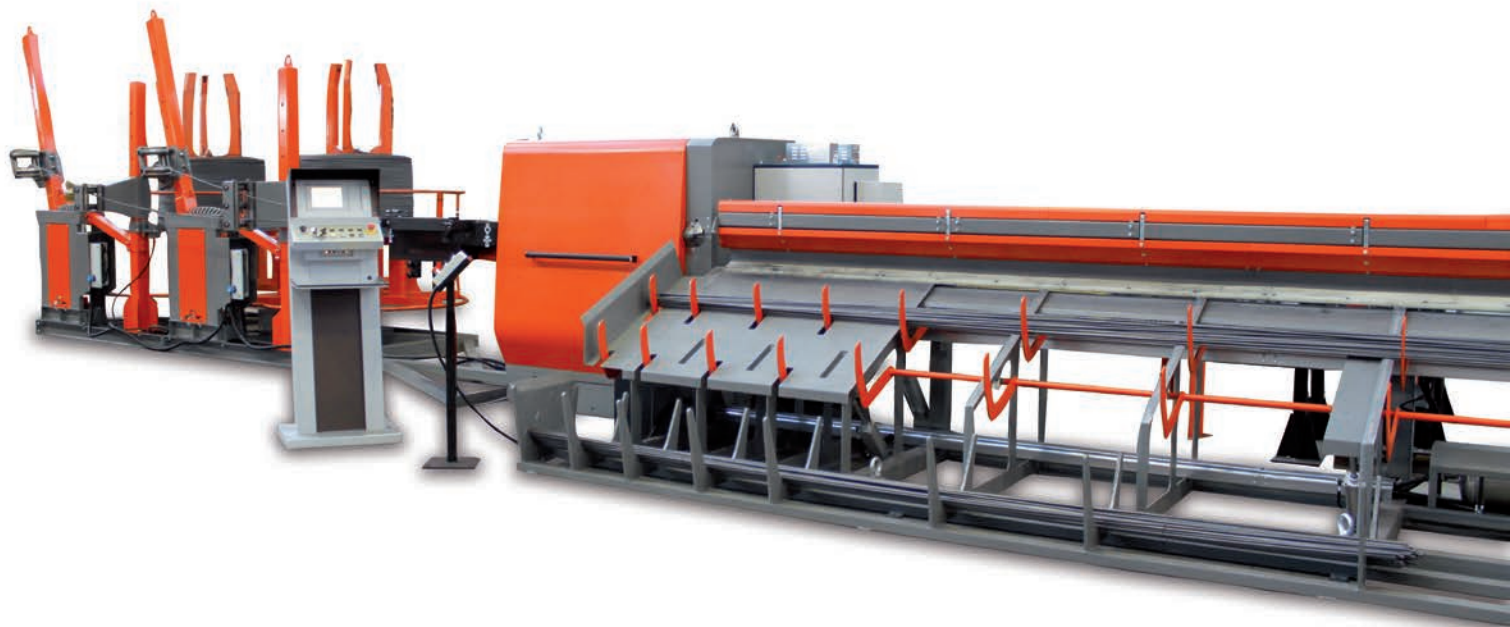


	Single strand ÷ up to $\varnothing$ mm <i>Cold material</i>	5 ÷ 13 mm	# 2 ÷ # 4
	Max Pulling speed	160 m / min	525 ft / min
	Average electric power consumption	7 kW / h	

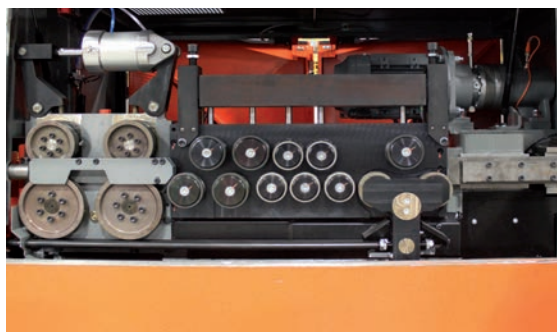
Reta 13 +



Straightening machines • Enderezadoras • Redresseuses • Endreitadeiras



SAPIENS
Mechanical Control



	Single strand ÷ up to Ø mm [700 N/mm ² (Ft) - Gr 60]	4,2 ÷ 13 mm	# 2 ÷ # 4
	Double strand ÷ up to Ø mm [700 N/mm ² (Ft) - Gr 60]	4,2 ÷ 10 mm	# 2 ÷ # 3
	Max Pulling speed	150 m / min	492 ft / min
	Average electric power consumption	4 kWh*	

* Power consumption data performed in 2012

Reta 16 UHS

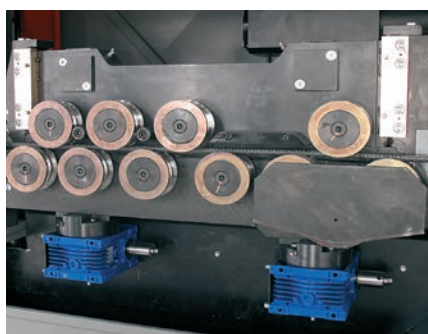


Straightening machines • Enderezadoras • Redresseuses • Endereitadeiras



SAPIENS

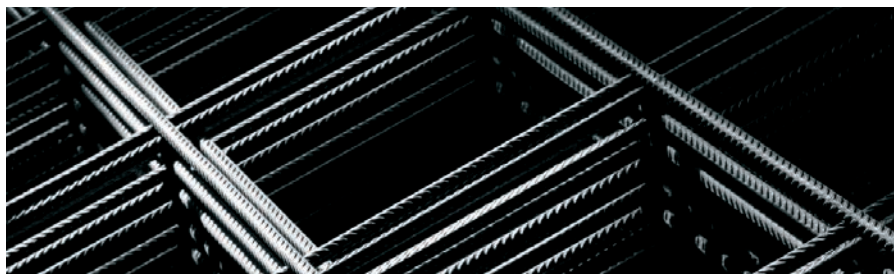
HIGH SPEED



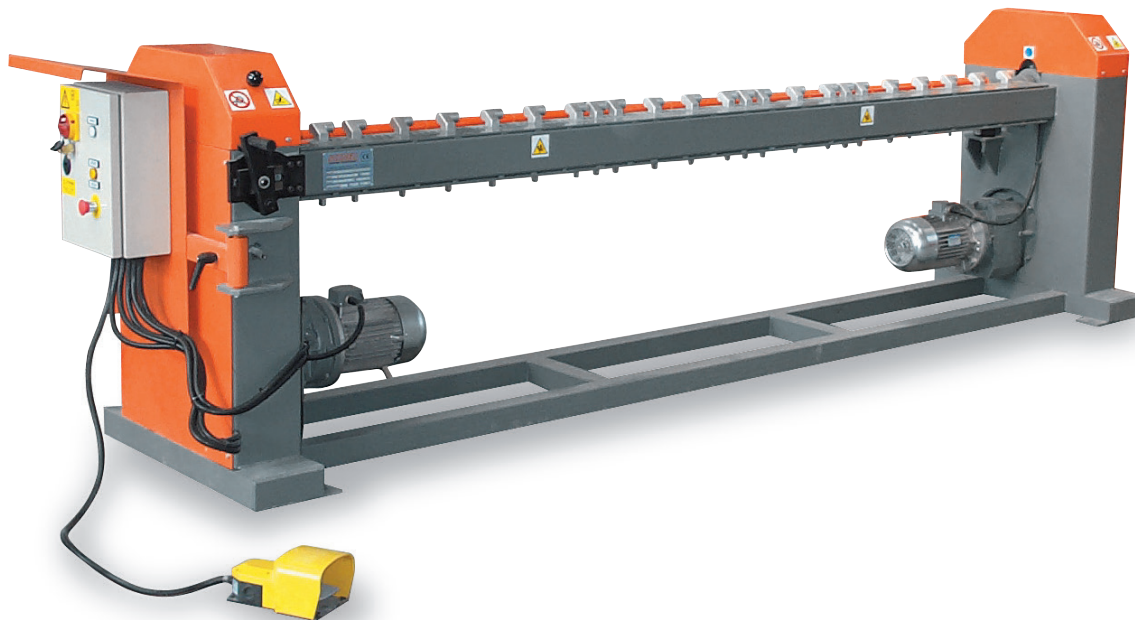
	Single strand ÷ up to $\varnothing$ mm [700 N/mm ² (Ft) - Gr 60]	6 ÷ 16 mm	# 2 ÷ # 5
	Double strand ÷ up to $\varnothing$ mm [700 N/mm ² (Ft) - Gr 60]	6 ÷ 13 mm	# 2 ÷ # 4
	Max Pulling speed	240 m / min	787 ft / min
	Average electric power consumption	20 kWh*	

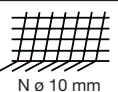
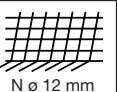
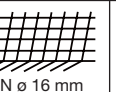
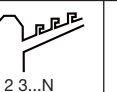
* Power consumption data performed in 2012

PRE

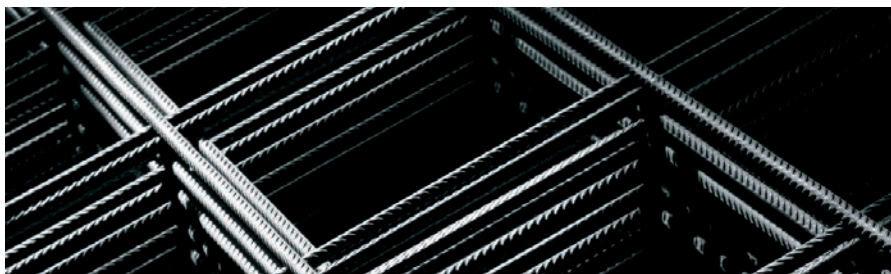


Mesh bending machines • Dobladoras de malla • Plieuses à treillis • Dobradeiras de tela



Mod.								
PRE 4M	4 m 13'	30	20	—	28	2 x 1,5	462 x 82 x 110 cm 15'- 2"x 2'- 8"x 3' - 7"	850 kg 1880 lb
PRE 6M	6 m 19'- 8"	45	30	—	41	2 x 2,2	662 x 82 x 110 cm 21'- 8"x 2'- 8"x 3' - 7"	1050 kg 2300 lb
PRE 4C (KS 31)	4 m 13'	30	20	—	28	2 x 1,1	462 x 82 x 110 cm 15'- 2"x 2'- 8"x 3' - 7"	850 kg 1880 lb
PRE 6C (KS 31)	6 m 19'- 8"	45	30	—	41	2 x 2,2	662 x 82 x 110 cm 21'- 8"x 2'- 8"x 3' - 7"	1050 kg 2300 lb
PRT 6C Titan (KS 31)	6 m 19'- 8"	—	45	30	41	2 x 7,5	680 x 95 x 135 cm 22'- 4"x 3'- 1"x 4'- 5"	1900 kg 4200 lb

TRG



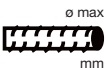
Mesh cutting machines • Cortadoras de malla • Cisailles à treillis • Cortadeiras de tela



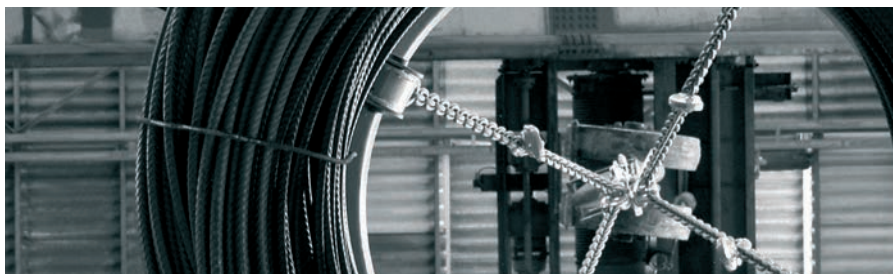
TRG 1D



TRG 2D

		TRG 4 / 2D		TRG 6 / 1D		TRG 6 / 2D	
	Working capacity	12 mm	# 4	12 mm	# 4	12 mm	# 4
	Mesh panel width	4 m	13'	6 m	22'	6 m	22'
	Cutting speed	25 m/min	82ft/min	25 m/min	82ft/min	25 m/min	82ft/min
	Machine dimensions (cm)	530x110x140	17'-5"x3'-7 3/8" x4'-7 2/8"	730x110x140	22'-12"x3'-7 3/8" x4'-7 2/8"	730x110x140	22'-12"x3'-7 3/8" x4'-7 2/8"
	Machine's weight	1.200 kg	2.650 lb	1.450 kg	3.200 lb	1.850 kg	4.100 lb
	Installed power	7,3 kW	8,8 kW	4,3 kW	5,2 kW	7,3 kW	8,8 kW

Coil Spider



Hoisting means • Medios de levantamiento • Engins de levage • Sistemas de levantamento



Patented clamp which allows gripping the rolls of drawn wire and laminate from the outside (coiled and not).

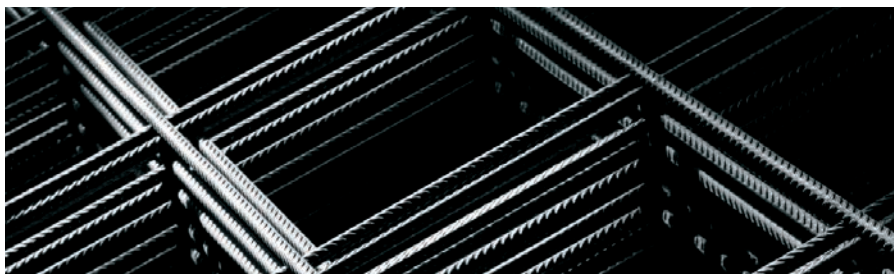
Pinza patentada que permite el enganche desde el exterior de los rollos de trefilado y laminado (rebobinado y no).

Pince brevetée qui permet l'accrochage de l'extérieur des rouleaux de tréfilé et laminé (rembobiné et non).

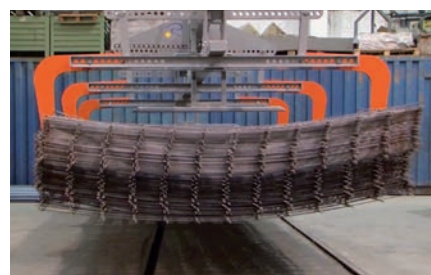
Pinça segura que, graças à sua forma inovadora, permite o enganche por fora dos rolos de trefilado e laminado (rebobinado ou não).

	COIL SPIDER	
Coil external outer diameter	950 mm ÷ 1.200 mm 1.050 mm ÷ 1.350 mm 1.150 mm ÷ 1.400 mm	3'-5" ÷ 4'-5" 4' ÷ 4'-7"
Capacity	3.500 Kg / 5.000 Kg	7.700 lb / 11.000 lb
Weigth	280 Kg	618 lb
Overall height	1.050 mm (h) 1.600 mm (ø)	3'-5" (h) 5'-3" (ø)

Mesh Spider



Hoisting means • Medios de levantamiento • Engins de levage • Sistemas de levantamiento



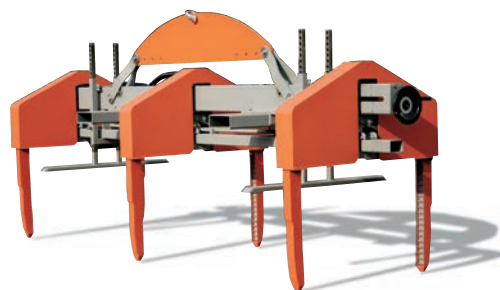
Mesh spider

Clamp for electrowelded wire mesh, which thanks to its innovative patented foldaway jaw, grips the wire mesh packs from the inside.

Pinza per rete elettrosaldada che grazie al suo innovativo brevetto di ganasce a scomparsa, aggancia dall'interno i pacchi di rete.

Pince électrosoudée pour grillage, qui grâce à son brevet innovant de mâchoires escamotables, accroche de l'intérieur les paquets de grillage.

Pinça para red eletro-soldada que, graças à sua patente de pinças móveis, engancha os maços de redes.



	MESH SPIDER 4		MESH SPIDER 4 - 6		MESH SPIDER EVO 4 - 6 PE	
Capacity	4.000 Kg	8.830 lb	6.000 Kg	13.245 lb	6.000 Kg	13.245 lb
Mesh length	2 m ÷ 4 m	6'-6" ÷ 13'-2"	4 m ÷ 6 m	13'-2" ÷ 19'-8"	4 m ÷ 6 m	13'-2" ÷ 19'-8"
Height Mesh - Pack <i>min.</i>	200 mm	8"	200 mm	8"	200 mm	8"
Height Mesh - Pack <i>max.</i>	700 mm	28"	700 mm	28"	700 mm	28"
Minimum pitch of the mesh panel to lift	150x150 mm	6"x6"	150x150 mm	6"x6"	-	-
Weight	700 Kg	1.545 lb	900 Kg	2.000 lb	1100 Kg	2.450 lb
Overall height	1.550 mm (h) x 2.000 mm x 1.350 mm	5' (h) x 6'-6" x 4'-5"	1.570 mm (h) x 4.550 mm x 1.350 mm	5' (h) x 14'-11" x 4'-5"	1.400 mm (h) x 4.500 mm x 1.700 mm	4'-7" (h) x 14'-10" x 5'-7"



Due to continuous product development, technical specifications and photos are not binding.

Debido a la constante evolución de los productos, los datos técnicos e imágenes no son vinculantes.

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Tratando-se de produtos que evoluem constantemente, os dados técnicos e imagens têm apenas função ilustrativa e não são encadernação.



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