

**NEW**

**AR**  
**line**



**SECTION BENDING MACHINES**



## I VANTAGGI DELLA TECNOLOGIA MG NELLE CURVATRICI PER PROFILI

- **Movimenti planetari:** Sistema di movimento planetario dei rulli curvatori atto a ridurre al minimo gli attriti comuni nei macchinari con movimenti tradizionali, come guide idrauliche oppure orizzontali a strisciamento. I due rulli formatori sono movimentati grazie a due pistoni esterni. Questo accorgimento evita flessioni e garantisce una finitura del lavoro perfetta e bordi dritti più corti.
- **Direct drive:** Sostituzione di tutti i componenti a bassa efficienza (ingranaggi, bronzine, riduttori meccanici, cinghie di trasmissione, guide a strisciamento, etc.). Tutti e tre i rulli sono **direttamente motorizzati e direttamente accoppiati** ai più efficienti riduttori epicicloidali, cuscinetti, motori idraulici, in questo modo tutta la forza della macchina si concentra sul profilo da calandrare (forza positiva) risparmiando Energia.
- **Lubrificazione permanente:** Tutti i componenti sono pre-lubrificati e sigillati secondo un sistema esclusivo che garantisce la lubrificazione a vita.
- **Rulli montati su cuscinetti ad alto carico ed a doppia fila di rulli**
- **Guide idrauliche a movimento tridimensionale:** con i movimenti salita/discesa, avanti/indietro, i rulli ruotano per adattarsi ai diversi raggi di curvatura.
- **Rulli universali standard:** I rulli universali standard sono modulati per adattarsi a tutti i tipi di profili. Per tubi e profili HE, INP, UNP sono disponibili attrezzature speciali che si possono aggiungere alla macchina.
- **Versatilità:** le macchine sono progettate per lavorare sia ad assi verticali che orizzontali.



## ADVANTAGES OF OUR SECTION BENDING TECHNOLOGY

- **Planetary movements:** bending rolls planetary movement that reduces frictions at minimum, frictions very common on traditional movement machines, such as diagonal or horizontal sliding guides, the two forming rolls are pushed by outer pistons to avoid the deflection of the rolls and to guarantee a perfect finishing job and shorter flat ends.
- **Direct drive through planetary gearboxes:** All three rolls are directly motorized through a planetary drive that eliminates complicated transmission systems which are not energy efficient. DIRECTLY COUPLED on the rolls, bearings and hydraulic motors, this way all machine strength is focused on the material to bend (positive strength) with consequent Energy saving.
- **Permanet lubrication:** All machine components are pre-lubricated and sealed following a unique system granting lubrication for the whole machine life.
- **Double spherical roller bearings for the rolls instead of bushings to eliminate bushing tolerances and friction which results in energy loss.**
- **Tridimensional movement hydraulic side guides** with the following movements : up/down, back and forward, they rotate to adapt to the different bending radii.
- **Universal Rolls:** Standard universal rolls modules to suit all different kind of sections and for pipes, HE, INP and UNP beams special tools can be added as extra accessories.
- **Versatility:** the machines are designed to work with shaft in vertical or horizontal position.



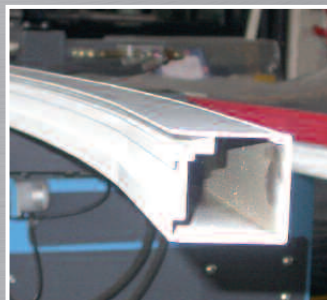
## LES AVANTAGES DE LA TECHNOLOGIE MG DANS LES CINTREUSES DES PROFILÉS

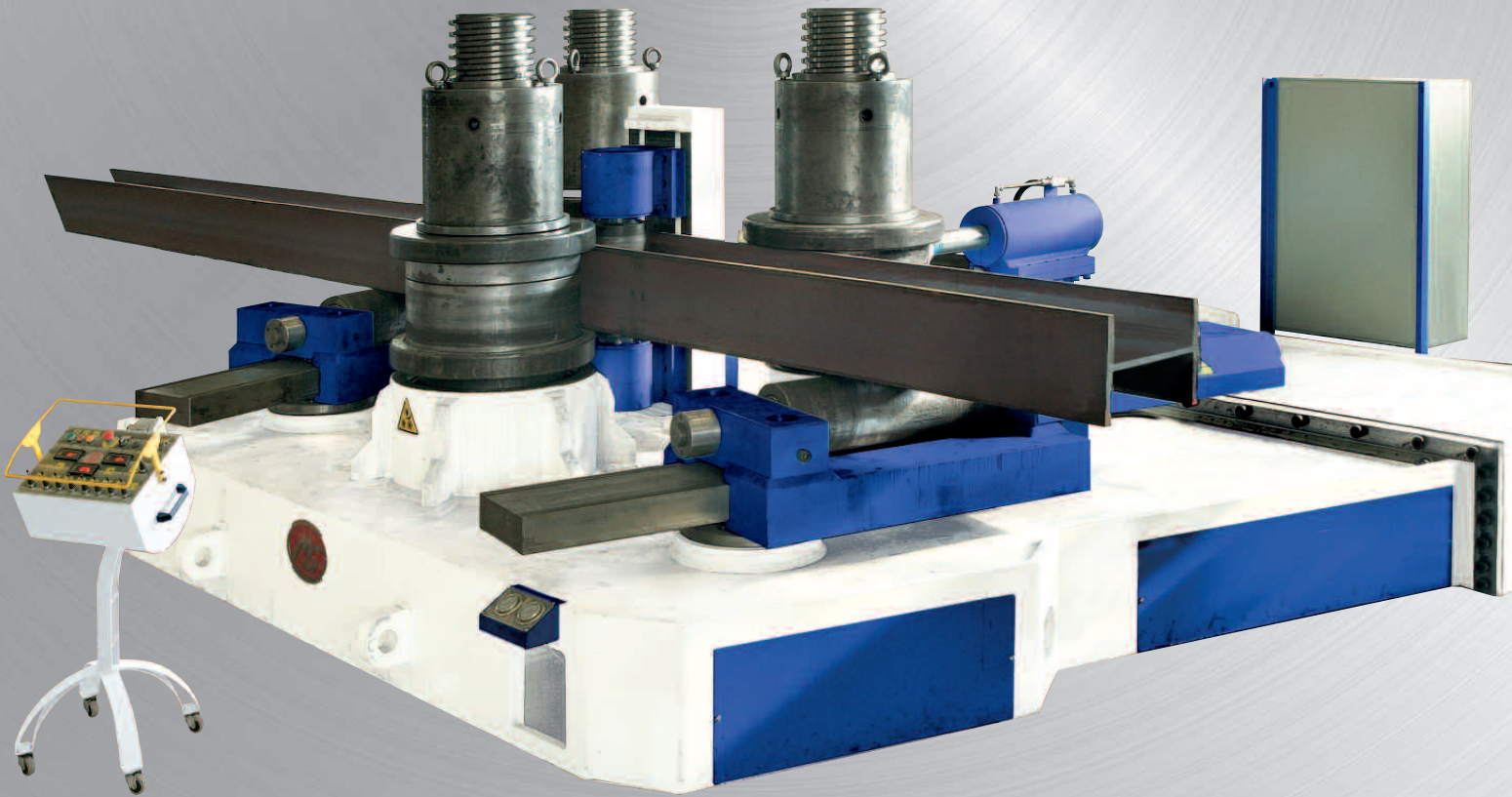
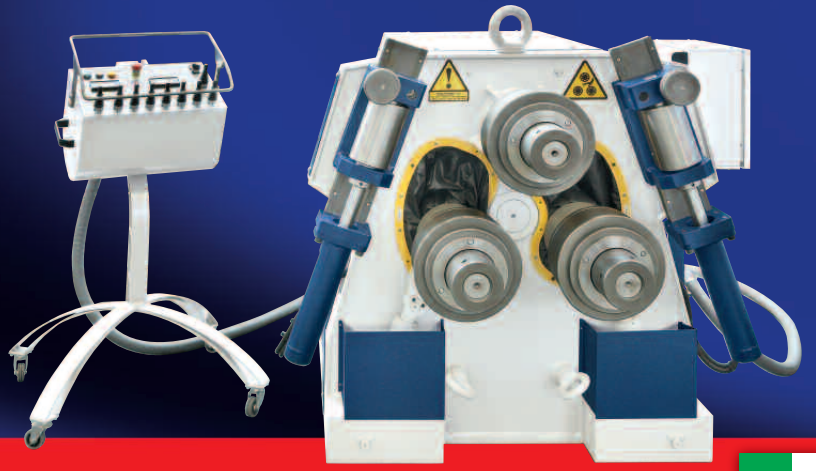
- **Mouvement planétaire:** Systeme de mouvement radial des rouleaux cintreur, adapté pour reduir au minimum le frottement commune dans les machines traditionnelles, telles que glissieres horizontal ou oblique glissieres horizontal ou oblique; les deux galets de formation sont poussés par des pistons extérieurs pour éviter la déviation des rouleaux et de garantir un travail de finition parfaite et plus courtes extrémités plates.
- **Entrainement direct par reducteur planétaire:** Les trois galets sont entrainés à travers l'utilisation d'un réducteur planétaire installé directement sur chaque galet, avec moteur hydraulique et roulements à haute charge, au lieu de composants à faible rendement; ce système a contribué à concentrer la puissance de la machine sur le matériau à plier, économisant ainsi l'énergie.
- **Lubrification permanente:** tous les composants de la machine sont pré-lubrifiés à l'intérieur de compartiments étanches selon un système unique qui assure la lubrification à vie de la machine entière.
- **Roulements à double billes plutôt que des bagues pour les rouleaux,** ont permis d'éliminer les tolérances des bagues avec une réduction des pertes de puissance.
- **Mouvement tridimensionnel des guides lateraux** avec les mouvements suivants: haut / bas, arrière et avant, ils tournent à s'adapter aux différents rayons de cintrage.
- **Galets universel:** galets universel standard adaptés à tous les différents types de profilés et des tubes; outils spéciaux pour HE, INP et poutres UNP peuvent être ajoutés comme accessoires supplémentaires.
- **Versatilité:** les machines sont conçues pour fonctionner avec décalage en position verticale ou horizontale.



## VENTAJAS TECNOLOGICAS DE LAS CURVADORAS DE PERFILES AR

- **Movimientos planetarios:** Estos eliminan la fricción común en los sistemas de guías verticales, diagonales o horizontales, los movimientos planetarios no requieren absolutamente de ajustes, además los ejes curvadores vienen empujados por pistones exteriores para eliminar la deflexión de los rodillos, y garantizar la terminación de los trabajos con la menor parte plana posible.
- **Transmisión directa:** los tres rodillos son motorizados con mecanismos de alta eficiencia (Reductores Epicicloidales, motores hidráulicos, etc) manteniendo la fuerza real disponible sobre el material a curvar (Energía Positiva).
- **Sistema lubricante permanente:** Sistema de componentes pre-engrasados y estos están protegidos especialmente para que en toda la vida de la máquina no será necesario engrasar o lubricar.
- **Rodamientos de rodillos esféricos con doble pista, en lugar de bujes,** esto para eliminar las tolerancias de la fricción que significaría pérdida de energía.
- **Guías tridimensionales hidráulicas:** estas con sus movimiento hacia arriba, hacia abajo, hacia atrás y adelante, agregando además la rotación acompañan el radio deseado del perfil a curvar.
- **Rodillos Universales:** estas herramientas de serie nos permiten curvar diferentes clases de perfiles cuadrados o rectangulares, pero con la facilidad de intercambio de las herramientas nos permite el curvado de tubos y vigas.
- **Versatilidad:** las máquinas vienen construidas para trabajar en posición vertical u horizontal.

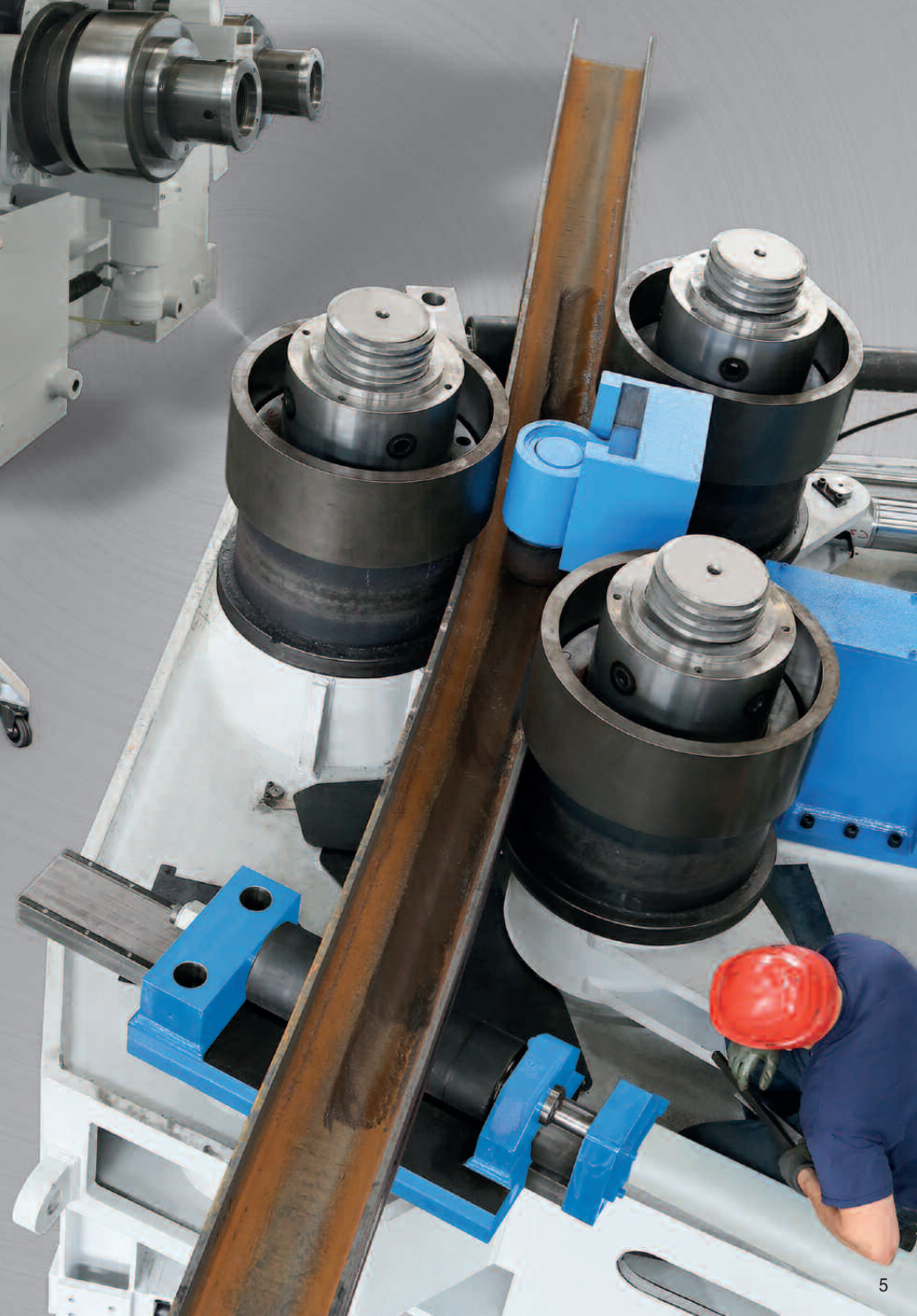
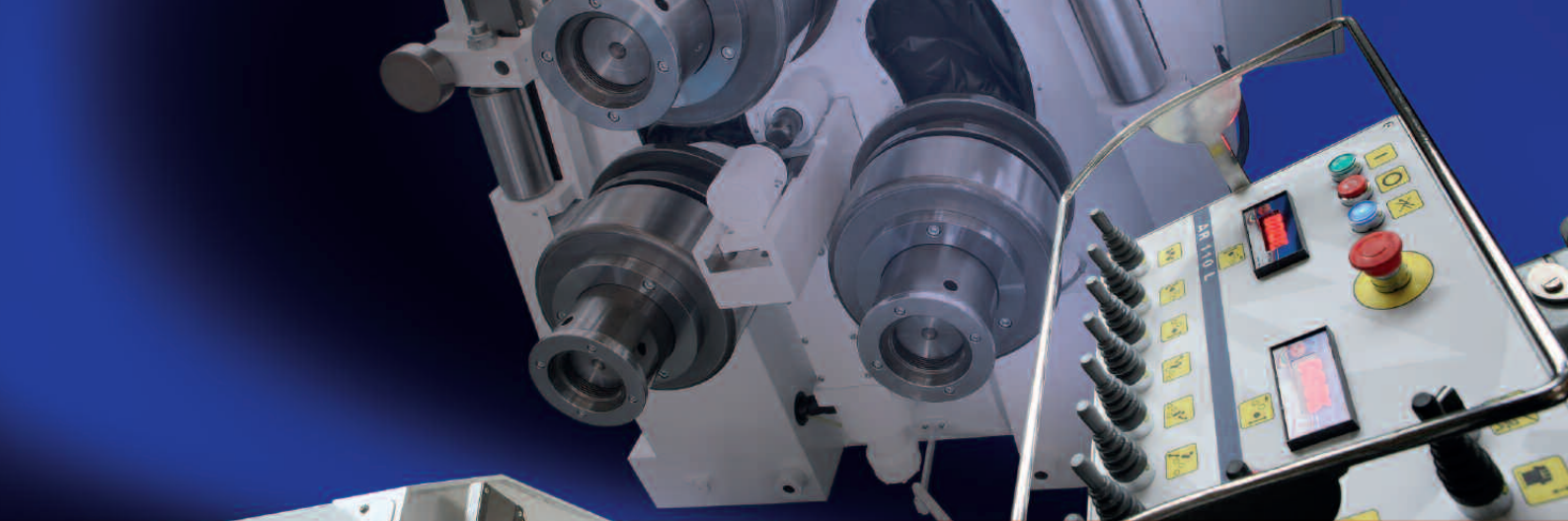






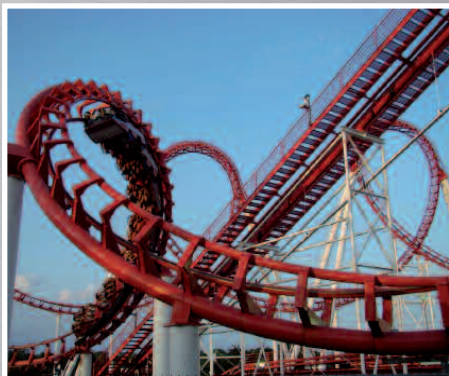
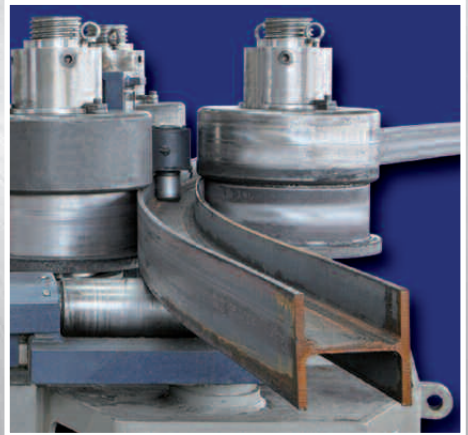
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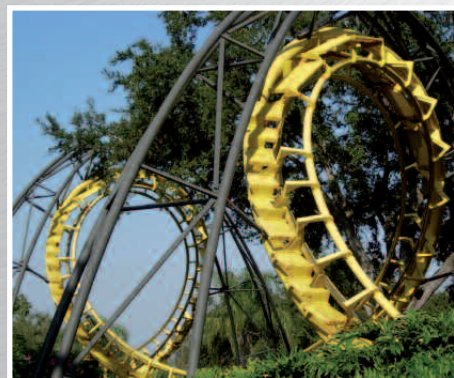
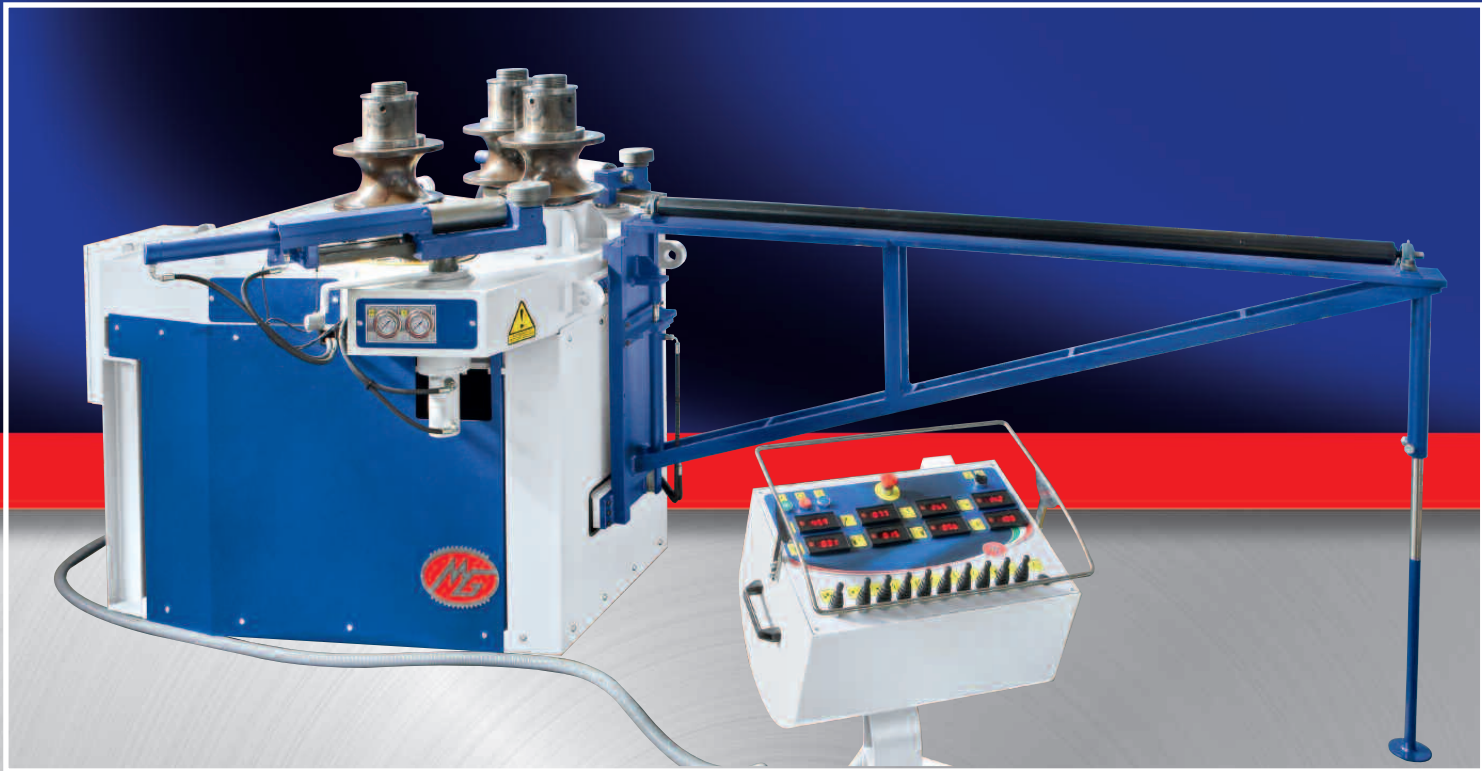






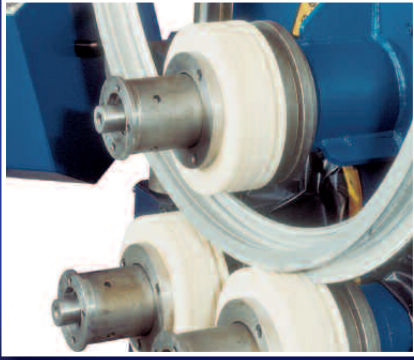
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Rulli in nylon per profili in alluminio.  
Nylon rolls for aluminum profiles.

Rouleaux en Nylon pour profilés en Aluminium.

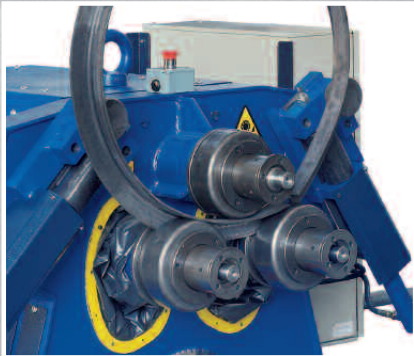
Rulinas de nylon para el curvado de perfiles de aluminio.

Attrezzatura per calandratura spirali.

Tooling for spiral bending.

Outillage pour cintrage des spirales.

Herramienta para el curvado de espirales.



Guide laterali idrauliche a movimento 3D su AR60 e AR80. Standard sugli altri modelli.

3D movement hydraulic side guides on AR60 and AR80. Standard on all the other models.

Guidage latéral hydraulique tridimensionnel en option sur les AR60 et AR80. Standard sur autres modèles.

Correctores laterales hidráulicos con movimiento tridimensional para los modelos AR60 y AR80. Estándar en el resto de los modelos.

Atrezzo di trazione e compressione.

Traction and compression tooling.

Herramienta de tracción y compresión.

Outil de traction et compression.



Attrezzatura per saldatura spirali.

Tooling for spiral welding.

Outillage pour soudure des spirales.

Util especial para soldado de espirales.

Attrezzatura per saldatura spirali.

Tooling for spiral welding.

Outillage pour soudure des spirales.

Util especial para soldado de espirales.



Macchina speciale per spirali.

Special machine for spirals.

Machine spéciale pour spirales.

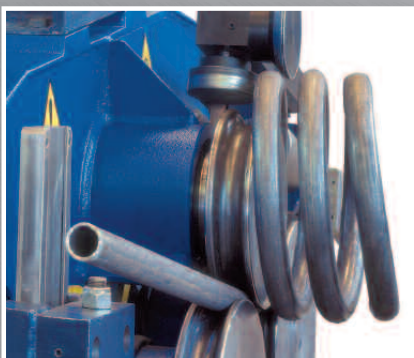
Máquina especial para el curvado de espirales.

Visualizzatori di quota su tutti i movimenti a richiesta.

Digital readouts on all movements (upon request).

Affichages digitaux des cotes sur toutes les mouvements.

Visualizadores digitales de cota para todos los movimientos (bajo pedido).



Estensione guida laterale per spirali di piccolo diametro. Rulli sagomati per tubo.

Side guide extension for small diameter spirals. Shaped rolls for tubes.

Guidage latéral allongeable pour spirales petit diamètre. Rouleaux façonnés pour cintrage de tube rond.

Correctores laterales extensibles para espirales de pequeños diámetros. Rulinas para curvado de tubos.

Dispositivo per scale a chicciola.

Device for spiral staircase.

Système de debillardage.

Dispositivo para escaleras a caracol.



Misuratore di raggi.

Radius measuring tool.

Mesureur électronique des rayons de cintrage.

Herramienta de medición del radio.

PROFILE	AR60		AR80		AR110		AR130		AR140		AR160		AR180	
	Dimensioni Dimensions	Ø Int. Min Inside Diameter	Dimensioni Dimensions	Ø Int. Min Inside Diameter	Dimensioni Dimensions	Ø Int. Min Inside Diameter	Dimensioni Dimensions	Ø Int. Min Inside Diameter	Dimensioni Dimensions	Ø Int. Min Inside Diameter	Dimensioni Dimensions	Ø Int. Min Inside Diameter	Dimensioni Dimensions	Ø Int. Min Inside Diameter
1	70 x 10 2" 3/4 x 3/8	1.500 59"	90 x 15 3" 1/2 x 5/8	1.500 59"	110 x 25 4" 3/8 x 1"	1.400 55"	130 x 20 5" 1/8 x 13/16	1.600 62"	150 x 20 6" x 13/16	1.800 71"	150 x 40 6" x 1" 5/8	1.500 60"	170 x 40 6" 5/8 x 1" 5/8	1.500 60"
2	100 x 20 4" x 3/4"	1.400 55"	120 x 30 4" 3/4 x 1" 3/16	800 32"	180 x 30 7" x 1" 3/16	1.000 40"	190 x 20 7" 9/16 x 13/16	1.000 40"	200 x 30 8" x 1" 3/16	1.800 71"	240 x 50 9" 1/2 x 2"	1.800 71"	260 x 60 10" 1/4 x 2" 3/8	1.800 71"
3	38 1" 1/2	500 20"	50 2"	600 24"	60 2" 3/8	1.200 47"	70 2" 3/4	1.200 47"	80 3" 1/8	1.200 47"	95 3" 3/4	2.500 98"	105 4" 1/8	1.800 71"
4	35 1" 3/8	500 20"	60 2" 3/8	600 24"	75 3"	750 30"	80 3" 1/8	750 30"	90 3" 1/2	1.000 40"	110 4" 3/8	1.650 65"	125 5"	1.300 51"
5	60 x 3 2" 3/8 x 1/8	1.000 40"	89 x 3 3" 1/2 x 1/8	1.800 70"	140 x 3 5" 1/2 x 1/8	2.800 110"	159 x 4 6" 1/4 x 5/32	3.000 118"	168 x 60 6" 5/8 x 1/4	4.000 157"	190 x 4 7" 3/4 x 3/16	3.000 118"	219 x 6 8" 5/8 x 1/4	8.000 315"
6	70 x 20 x 3 2" 3/4 x 3/4 x 1/8	1.000 40"	100x40x3 4" x 1" 5/8 x 1/8	1.000 40"	100 x 50 x 5 4" x 2" x 3/16	1.200 47"	120 x 70 x 5 4" 3/4 x 2" 3/4 x 3/16	1.200 47"	150 x 70 x 5 6" x 2" 3/4 x 3/16	2.500 98"	180 x 70 x 8 7" x 2" 3/4 x 5/16	4.800 189"	180 x 70 x 8 7" x 2" 3/4 x 5/16	6.600 260"
7	60 x 3 2" 3/8 x 1/8	1.500 59"	70 x 4 2" 3/4 x 3/16	1.000 40"	90 x 5 3" 1/2 x 3/16	2.000 79"	100 x 5 4" x 3/16	2.000 79"	120 x 10 4" 3/4 x 3/8"	1.000 40"	125 x 10 5" x 3/8	4.800 189"	150 x 10 6" x 3/8	6.000 236"
8	60 x 6 2" 3/8 x 1/4	1.800 70"	80 x 10 3" 1/8 x 3/8	1.800 70"	100 x 10 4" x 3/8	2.000 79"	120 x 8 4" 3/4 x 5/16	2.000 79"	140 x 15 5" 1/2 x 5/8"	3.600 142"	150 x 15 6" x 5/8"	4.800 189"	180 x 18 7" x 3/4	6.400 252"
9	60 x 6 2" 3/8 x 1/4	1.000 40"	70 x 8 2" 3/4 x 5/16	900 35"	90 x 10 3" 1/2 x 3/8	2.600 102"	100 x 10 4" x 3/8	2.600 102"	120 x 14 4" 3/4 x 9/16	3.000 118"	140 x 10 5" 1/2 x 3/8"	5.000 197"	160 x 18 6" 1/4 x 3/4	6.400 252"
10	60 2" 3/8	1.000 40"	80 3" 1/8	1.000 40"	100 4" 1/2	1.600 62"	140 x 10 5" 1/2 x 3/8	1.600 62"	150 x 12 6" x 1/2	1.250 50"	150 x 10 6" x 3/8	3.000 118"	160 x 15 6" 1/4 x 5/8	5.000 197"
11	60 2" 3/8	1.000 40"	80 3" 1/8	1.000 40"	100 4" 1/2	1.600 62"	140 x 10 5" 1/2 x 3/8	1.600 62"	150 x 12 6" x 1/2	1.250 50"	150 x 10 6" x 3/8	3.000 118"	160 x 15 6" 1/4 x 5/8	5.000 197"
12	60 2" 3/8	1.000 40"	80 3" 1/8	1.000 40"	100 4" 1/2	1.600 62"	140 x 10 5" 1/2 x 3/8	1.600 62"	150 x 12 6" x 1/2	1.250 50"	150 x 10 6" x 3/8	3.000 118"	160 x 15 6" 1/4 x 5/8	5.000 197"
13	80 x 45 3" 1/8 x 2"	1.000 40"	100 4"	1.800 70"	160 6" 5/16	1.200 47"	160 6" 5/16	1.200 47"	180 7"	1.000 40"	220 8" x 3/4	5.000 197"	260 10" 1/4	6.300 248"
14	80 x 45 3" 1/8 x 2"	1.000 40"	100 4"	1.800 70"	160 6" 5/16	1.200 47"	160 6" 5/16	1.200 47"	180 7"	1.000 40"	220 8" x 3/4	5.000 197"	260 10" 1/4	6.300 248"
15	80 x 45 3" 1/8 x 2"	1.000 40"	100 4"	1.800 70"	160 6" 5/16	3.000 118"	160 6" 5/16	1.200 47"	180 7"	1.800 70"	240 9" x 3/8	5.000 197"	260 10" 1/4	6.300 248"
16	HE				140 5" 1/2	3.000 118"	A = 160 B = 140 2.000 79"	2.000 79"	A = 200 B = 180 M = 100 3.000 118"	A = 200 B = 200 M = 140 4.000 157"	A = 200 B = 200 M = 140 5.000 197"	5.000 197"	A = 260 B = 240 M = 160 9.000 354"	9.000 354"
17	UNP				80 x 45 3" 1/8 x 2"	2.400 94"	120 4" 3/4	3.000 118"	140 x 55 5" 1/2 x 2" 1/4	5.000 197"	200 8"	9.500 374"	260 10" 1/4	9.500 374"
18	INP				100 4"	3.000 118"	140 5" 1/2	4.500 177"	160 6" x 5/16	6.000 236"	180 7"	4.000 157"	180 7"	4.000 157"
19	HE				A = 100 B = 100 A = 4" 1/2 B = 4"	3.600 142"	A = 140 B = 120 6.000 236"	6.000 236"	A = 160 B = 140 6.000 236"	6.000 236"	A = 180 B = 160 8.000 315"	6.000 236"	A = 200 B = 180 8.000 315"	6.000 236"
W cm <sup>3</sup> Section modulus	10 - 18		20 - 28		35 - 55		40 - 80		45 - 95		90 - 160		100 - 250	
Velocità di rotolamento Inches / min speed	6 237		6 237		6 237		6 237		6 237		6 237		6 237	
Potenza kW HP Power	3 4		5 5.5		7,5 10		15 20		15 20		18 25		20 30	
Ø alberi Shafts diameter	60 2" 3/8		80 3" 1/8		110 4" 3/8		130 5" 1/8		140 5" 1/2		160 6" 1/4		190 7" 1/2	
Ø rulli Rolls diameter	215 8" 1/2		275 10" 7/8		380 15"		390 15" 1/2		400 15" 3/4		460 18" 1/8		570 22" 1/2	
Peso Weight	920 2,026		1.650 3,630		2.950 6,498		3.600 7,950		4.000 8,810		6.800 14,980		13.200 29,075	

LEGENDA

- Curvatura con rulli standard - Bending with standard rolls - Cintrage avec rouleaux standard - Curvado con rulinas estándar
- Un set rulli ogni diametro tubi - One set of rolls for each pipe diameter - Un set de rouleaux chaque diamètre de tube - Un set de rulinas para cada diámetro de tubo
- Curvatura con attrezzatura speciale - Rolling with special tooling - Cintrage avec outils spéciaux - Curvado con herramienta especial

PROFILE	AR200		AR250		AR300		AR330		AR360		AR440		AR530	
	Dimensioni Dimensions	Ø Int. Min Inside Diameter	Dimensioni Dimensions	Ø Int. Min Inside Diameter	Dimensioni Dimensions	Ø Int. Min Inside Diameter	Dimensioni Dimensions	Ø Int. Min Inside Diameter	Dimensioni Dimensions	Ø Int. Min Inside Diameter	Dimensioni Dimensions	Ø Int. Min Inside Diameter	Dimensioni Dimensions	Ø Int. Min Inside Diameter
1	180 x 45 7" x 1 3/4"	2.200 86"	200 x 50 8" x 2"	2.600 102"	250 x 70 10" x 2 3/4"	4.500 177"	280 x 70 11" x 2 3/4"	4.500 177"	300 x 80 11" 7/8 x 3"	3000 118"	400 x 80 15" 3/4 x 3"	3000 118"	350 x 600 14" x 23 5/8"	12.000 472"
2	280 x 60 11" x 2 3/8"	2.300 90"	280 x 70 11" x 2 3/4"	2.300 90"	320 x 80 12" 3/4 x 3"	8.000 315"	320 x 90 12" 3/4 x 3 5/8"	8.000 315"	400 x 100 15" 3/4 x 4"	6.000 236"	400 x 120 15" 3/4 x 4 3/4"	6.000 236"	150 x 800 15" 3/4 x 4 3/4"	10.000 394"
3	115 4" 1/2"	3.400 134"	120 4" 3/4"	3.400 134"	160 6" 3/8"	6.000 236"	190 7" 1/2"	6.000 236"	220 8" 3/4"	6.000 236"	250 9" 7/8"	6.000 236"	280 11"	8.000 314"
4	135 5" 1/4"	2.000 79"	150 6"	2.200 86"	200 8"	5.400 212"	220 8" 5/8"	6.000 236"	230 9"	6.900 271"	300 12"	9.000 354"	350 14"	16.000 630"
5	325 x 8 12" x 5/16"	13.000 512"	355 x 7 14" x 5/16"	13.000 512"	368 x 8 14" 1/2 x 5/16"	13.000 512"	408 x 7 16" x 5/16"	13.000 512"	457 x 8 18" x 5/16"	18.000 709"	608 x 12 24" x 1/2"	28.000 1,102"	916 x 22 36" x 7/8"	58.000 2,283"
6	220 x 80 x 8 8" 3/4 x 3" x 5/16"	6.000 236"	220 x 80 x 8 8" 3/4 x 3" x 5/16"	6.600 260"	250 x 125 x 12 10" x 5" x 1/2"	12.000 472"	280 x 120 x 12 11" x 4" 3/4 x 1/2"	12.000 472"	300 x 120 x 12 11" 7/8 x 4" 3/4 x 1/2"	15.000 590"	400 x 120 x 12 15" 3/4 x 8" x 1/2"	15.000 590"	400 x 200 x 12 15" 3/4 x 8" x 1/2"	20.000 787"
7	165 x 10 6" 1/2 x 3/8"	6.000 236"	180 x 10 7" x 3/8"	6.000 236"	255 x 12 10" x 1/2"	10.000 394"	320 x 12 12" 3/4 x 1/2"	10.000 394"	380 x 16 15" x 5/8"	15.000 590"	400 x 12 15" 3/4 x 1/2"	15.000 590"	600 x 20 23" 5/8 x 3/4"	21.000 827"
8	200 x 18 8" x 3/4"	6.400 252"	200 x 20 8" x 3/4"	6.400 252"	200 x 20 8" x 3/4"	6.000 236"	240 x 24 8" x 1"	6.000 236"	240 x 16 9" 1/2 x 5/8"	10.000 394"	300 x 25 12" x 1"	10.000 394"	400 x 30 12" x 1" 1/4"	10.000 394"
9	180 x 14 7" x 9/16"	6.400 252"	180 x 18 7" x 3/4"	6.400 252"	200 x 20 8" x 3/4"	6.000 236"	240 x 24 8" x 1"	6.000 236"	260 x 18 10" 1/4 x 3/4"	10.000 394"	320 x 30 12" 5/8 x 1" 1/4"	10.000 394"	400 x 30 12" x 1" 1/4"	10.000 394"
10	200 x 20 8" x 3/4"	7.400 291"	200 x 20 8" x 3/4"	7.400 291"	250 x 20 10" x 3/4"	8.500 335"	280 11"	8.500 335"	300 12"	9.000 354"	400 15" 3/4"	9.000 354"	450 17" 5/8"	12.000 472"
11	200 x 20 8" x 3/4"	7.400 291"	200 x 20 8" x 3/4"	7.400 291"	250 x 20 10" x 3/4"	8.500 335"	280 11"	8.500 335"	300 12"	9.000 354"	400 15" 3/4"	9.000 354"	450 17" 5/8"	12.000 472"
12	200 x 20 8" x 3/4"	7.400 291"	200 x 20 8" x 3/4"	7.400 291"	250 x 20 10" x 3/4"	8.500 335"	280 11"	8.500 335"	300 12"	9.000 354"	400 15" 3/4"	9.000 354"	450 17" 5/8"	12.000 472"
13	280 11"	6.300 248"	300 12"	7.000 275"	320 12" 5/8"	9.000 354"	340 13" 3/8"	8.500 335"	400 15" 3/4"	9.000 354"	400 15" 3/4"	9.000 354"	450 17" 5/8"	12.000 472"
14	280 11"	6.300 248"	300 12"	7.000 275"	320 12" 5/8"	9.000 354"	340 13" 3/8"	8.500 335"	400 15" 3/4"	9.000 354"	400 15" 3/4"	9.000 354"	450 17" 5/8"	12.000 472"
15	280 11"	6.300 248"	300 12"	7.000 275"	320 12" 5/8"	9.000 354"	370 14" 1/2"	7.500 295"	400 15" 3/4"	9.000 354"	400 15" 3/4"	9.000 354"	450 17" 5/8"	12.000 472"
16	A = 300 B = 280 M = 200 A = 12" B = 11" M = 8"	12.000 9.500 9.000 472" 374" 354"	A = 280 B = 260 M = 180 A = 11" B = 10" 1/4 M = 7"	12.000 10.000 14.000 472" 394" 551"	A = 400 B = 360 M = 220 A = 15" 3/4 B = 14" 1/4 M = 8" 3/4"	13.500 13.000 18.000 532" 512" 709"	A = 400 B = 360 M = 240 A = 15" 3/4 B = 14" 1/4 M = 9" 1/2"	13.500 10.000 18.000 532" 394" 709"	A = 400 B = 400 A = 15" 3/4 B = 15" 3/4"	12.000 18.000 472" 709"	A = 400 B = 400 A = 15" 3/4 B = 15" 3/4"	12.000 18.000 472" 709"	B = 600 M = 400 A = 23" 3/4 B = 15" 3/4"	25.000 30.000 985" 1,181"
17	280 11"	9.500 374"	300 12"	11.000 433"	300 12"	14.000 551"	300 12"	14.000 551"	600 23" 5/8"	30.000 1,181"	600 23" 3/4"	30.000 1,181"	700 27" 1/2"	35.000 1,378"
18	220 8" 3/4"	6.000 236"	270 10" 5/8"	6.000 236"	300 12"	8.000 315"	320 12" 3/4"	8.000 315"	360 14" 1/4"	10.000 394"	400 15" 3/4"	7.000 275"	800 31" 1/2"	25.000 984"
19	A = 240 B = 200 A = 9" 1/2 B = 8"	14.000 12.500 472" 472"	A = 260 B = 240 A = 10" 1/4 B = 9" 1/2"	8.500 12.000 472" 472"	A = 280 B = 400 A = 11" B = 15" 3/4"	10.000 10.000 394" 394"	A = 320 B = 420 A = 12" 3/4 B = 16" 5/8"	15.000 15.000 590" 590"	A = 400 B = 500 A = 15" 3/4 B = 19" 3/4"	10.000 15.000 394" 590"	A = 500 B = 600 A = 19" 3/4 B = 23" 3/4"	20.000 25.000 787" 984"	A = 1.000 B = 1.000 M = 800 A = 40" B = 40" M = 31" 1/2"	35.000 35.000 48.000 1,378" 1,378" 1,890"
W cm <sup>3</sup> Section modulus	110 - 350		120 - 700		150 - 1.000		180 - 1.100		200 - 2.000		250 - 5.000		2.500 - 15.000	
Velocità di rotolamento Inches / min speed	6 237		6 237		6 237		6 237		6 237		6 237		6 237	
Potenza kW HP Power	34 40		44 60		56 76		56 76		75 102		100 135		125 218	
Ø alberi Shafts diameter	210 8" 1/4"		250 9" 7/8"		300 11" 7/8"		330 12"		360 14" 1/4"		440 17" 3/8"		530 21"	
Ø rulli Rolls diameter	630 24" 7/8"		660 26"		770 30" 1/2"		770 30" 1/2"		800 31" 1/2"		920 36" 1/4"		980 38" 1/2"	
Peso Weight	24.000 52,800		29.000 63,800		36.500 80,470		40.000 88,000		60.000 132,280		65.000 143,000		297.000 654,780	

LEGENDA

- ▲ Per spessori sottili o raggi minimi sono richiesti rulli speciali - For thin parts or very small radii special rolls are needed - Cintrage avec rouleaux speciaux pour petits épaisseurs  
Se necesitan rulinas especiales siempre que la pared del perfil sea estrecha o el radio a obtener sea pequeño
- ✘ Serie normale - Normal series - Serie normal - Serie normal



- Le lavorazioni segnalate nelle tabelle tecniche, calcolate in base alla potenza delle macchine, sono puramente indicative e non vincolanti. MG S.r.l. si riserva il diritto di apportare modifiche alle macchine ed alle loro prestazioni senza preavviso.
- The workings mentioned in the technical chart, calculated depending on machine power, are merely suggestive and therefore, not compelling. MG S.r.l. reserves the right to make product design and engineering changes without notice.
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- Los trabajos mencionados en el gráfico o tabla técnica han sido calculados en función de la potencia de la máquina. Estos trabajos son meramente indicativos y por tanto no son concluyentes. MG S.r.l. se reserva el derecho de modificar sin previo aviso el proyecto, el diseño y las especificaciones de los modelos presentados.

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