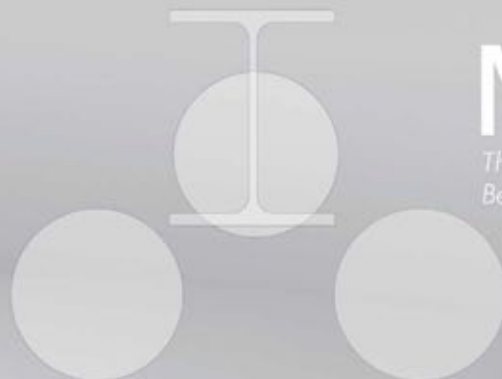




EXCELLENCE IN FORMING

www.davi.com



MCP

*Three Rolls Section
Bending Machine (Double Pinch)*



SOLID, COMPACT AND MOST ADVANCED TECHNOLOGY
For the best productivity



**A COMPLETE RANGE OF QUALITY
AND HEAVY DUTY MACHINES**
.....

**THREE POWERED ROLLS
WITH THREE SYNCHRONIZED HYDRAULIC MOTORS
(ONE FOR EACH ROLL) TO CARRY MORE
TORQUE AND TO FEED EASIER ANY SECTION**
.....

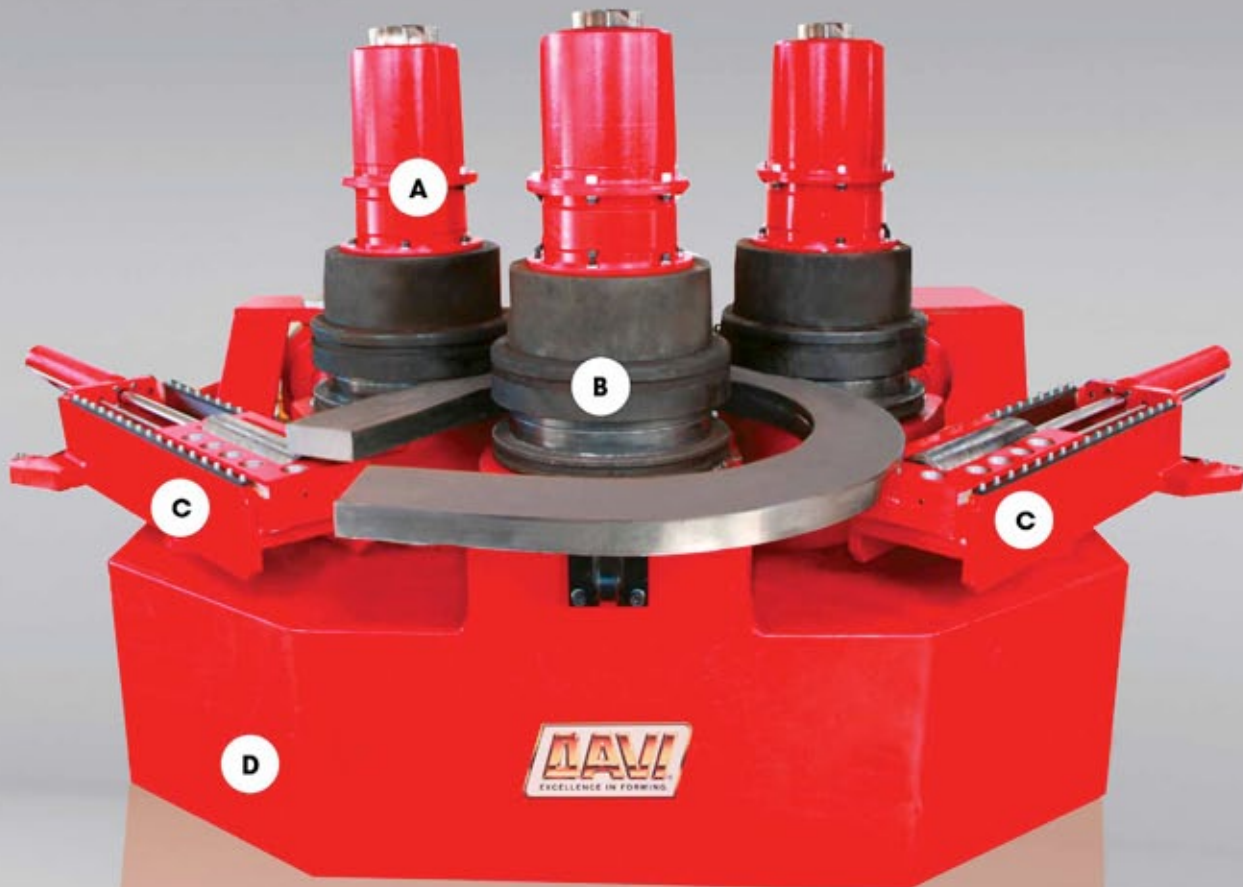


**ALL MACHINES EQUIPPED WITH
3-D GUIDING ROLL
TO GUIDE AND CORRECT
AT THE BEST ANY SECTION
FROM DEFLECTING**
.....

STRONGER, PRECISE AND MORE RELIABLE...
...New DAVI MCP Angle Roll!

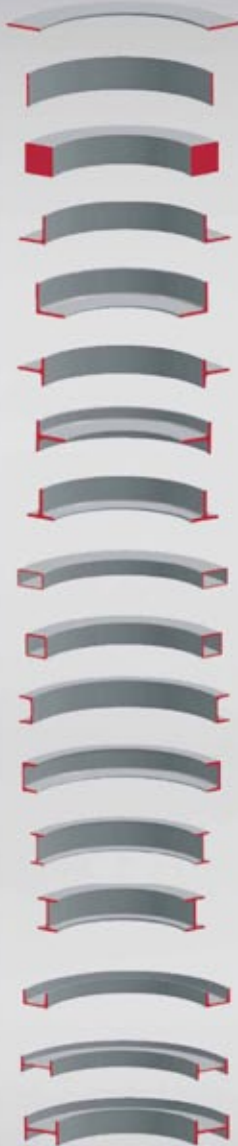
DAVI
EXCELLENCE IN FORMING

THE ENTIRE RANGE OF DAVI ANGLE ROLLS OFFER UNCOMPARABLE BENEFITS



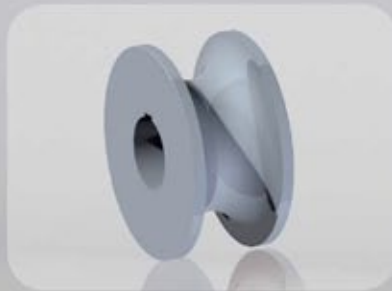
- A:** Large diameter shafts
- B:** Modular rolls perfectly interchangeable with any standard, universal and special customized roll
- C:** Heavy duty hydraulic guide rolls
- D:** Sturdy, high resistance frame
- E:** Hydraulic pulling roll unit for bending I - U and H beams the hard way





UNIVERSAL ROLLS

THE MACHINE IS SUPPLIED WITH ONE SET OF "UNIVERSAL" ROLLS AS STANDARD EQUIPMENT, ABLE TO BEND THE MOST COMMON SECTIONS.



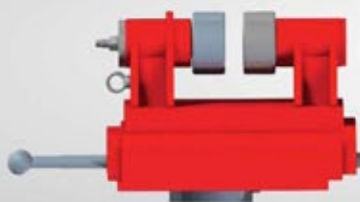
AN ENDLESS RANGE OF ACCESSORIES
TO ANSWER TO ANY NEEDS



HYDRAULIC PULLING ROLL UNIT
FOR BENDING I - U AND H BEAMS THE HARD WAY



ROLLS FOR HYDRAULIC PULLING UNIT FOR HEA - HEB AND IPE SECTIONS



ROLLS FOR HYDRAULIC PULLING UNIT FOR IPN SECTIONS



ROLLS FOR HYDRAULIC PULLING UNIT FOR UPN SECTIONS



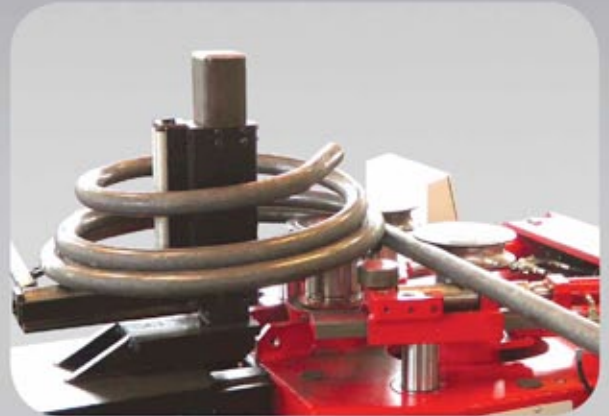
STRONGER, PRECISE AND MORE RELIABLE...
...New DAVI MCP Angle Roll!



**PITCH
CONTROL
FOR SPIRAL
BENDING**
.....



CONICAL SPIRAL
.....



**HORIZONTAL CONVEYOR
FOR BOILERS SPIRALS**
.....



**SPECIAL ROLLS
FOR BULB FLATS**
.....

**SPECIAL ROLLS
FOR TUBE BENDING**
.....



**HOLLOW SECTIONS
MANDRELS BENDING**
.....



3D SYSTEM





SOLID, COMPACT AND MOST ADVANCED TECHNOLOGY
For the best productivity

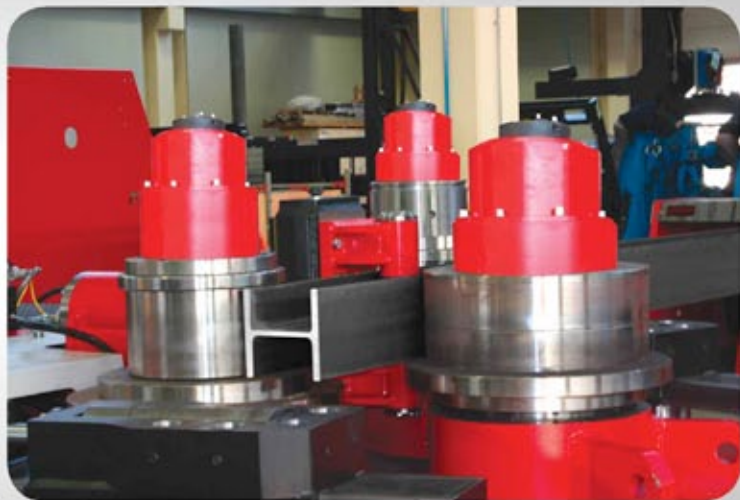




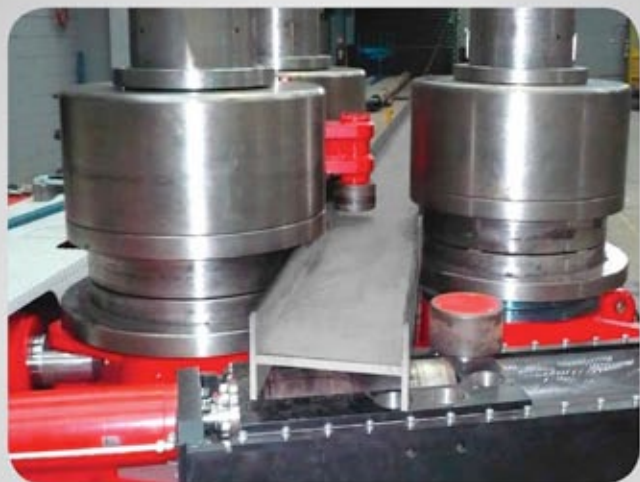
SOLID, COMPACT AND MOST ADVANCED TECHNOLOGY
For the best productivity



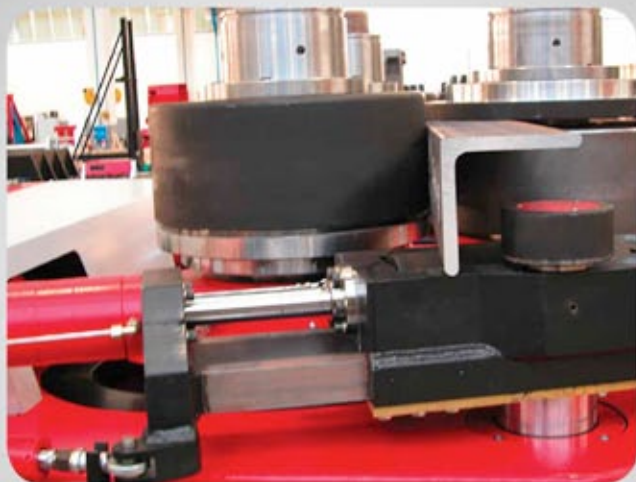
MCP 32 UPN 550



MCP 20 HEB 180



MCP 26 IPE 270



MCP 32 ANGLE 200



MCP 32 HEA 300



MCP 11 TUBE 141 mm



MCP 30 IPE 300



MCP 36 HEA 550



MCP 26 TUBE 324 mm



MCP 26 IPE 270



MCP 32 SQUARE HOLLOW 225 x 12



MCP 14 SQUARE BAR 80 x 80

STRONGER, PRECISE AND MORE RELIABLE...
...New DAVI MCP Angle Roll!



MCP 20 HEA 200



MCP 30 IPE 500

















MCP 28 IPE 450



MCP 36 HEA 550

STRONGER, PRECISE AND MORE RELIABLE...
...New DAVI MCP Angle Roll!



MODEL			MCP						
			11	14	18	20	24	26	28
	1	flat on edge	100 x 25 ø700	125 x 32 ø1000	150 x 40 ø1400	175 x 45 ø1600	175 x 40 ø1200	200 x 50 ø1800	200 x 50 ø2000
	2	flat on flat	200 x 35 ø600	220 x 50 ø1000	250 x 60 ø1400	320 x 65 ø1600	350 x 45 ø900	400 x 70 ø1800	400 x 60 ø2000
	3	square	60 ø600	80 ø1200	100 ø1500	115 ø1500	110 ø1500	130 ø1800	130 ø1800
	4	round	75 ø900	90 ø1100	110 ø1200	130 ø1400	125 ø2000	150 ø1500	150 ø1500
	5	L leg out	100 x 12 ø1000	120 x 15 ø1300	150 x 16 ø1200	180 x 18 ø1800	160 x 20 ø1600	200 x 25 ø2500	200 x 20 ø3000
	6	L leg in	100 x 10 ø1000	120 x 13 ø1100	150 x 15 ø1500	180 x 15 ø2000	150 x 20 ø1600	200 x 20 ø2000	180 x 18 ø3000
	7	T leg out	100 x 12 ø800	120 x 15 ø1000	150 x 16 ø1000	180 x 18 ø1400	160 x 20 ø1400	200 x 25 ø2500	200 x 20 ø1600
	8	T leg in	100 x 10 ø800	120 x 13 ø1000	150 x 15 ø1200	180 x 15 ø1600	150 x 20 ø2000	200 x 20 ø2000	180 x 18 ø1500
	9	T on one side	100 x 12 ø1000	120 x 15 ø1000	150 x 16 ø1000	180 x 18 ø1400	160 x 20 ø1500	200 x 25 ø2000	200 x 20 ø1800
	10*	rectangular hollow section	120 x 50 x 4	150 x 50 x 5	180 x 70 x 8	200 x 75 x 8	220 x 90 x 9	230 x 100 x 10	240 x 110 x 10
	11*	square hollow section	80 x 6	100 x 8	120 x 10	150 x 10	150 x 8	180 x 12	180 x 10
	12**	UPN C section leg out	UPN 180 ø800	UPN 220 ø900	UPN 300 ø1100	UPN 360 ø1300	UPN 360 ø1200	UPN 475 ø1500	UPN 450 ø2000
	13**	UPN C section leg in	UPN 180 ø1000	UPN 220 ø1100	UPN 300 ø1200	UPN 360 ø1600	UPN 360 ø1400	UPN 475 ø2500	UPN 450 ø3000
	14**	IPE easy way	IPE 180 ø1000	IPE 220 ø1000	IPE 300 ø1100	IPE 360 ø1200	IPE 360 ø1500	IPE 450 ø1500	IPE 450 ø2000
	15**	HEA easy way	HEA 120 ø1000	HEA 150 ø1100	HEA 180 ø1100	HEA 220 ø2500	HEA 240 ø1500	HEA 280 ø3000	HEA 280 ø2000
	16	tube	141 x 3,4 ø3000	168 x 3,4 ø2500	219 x 2,7 ø3000	273 x 4,2 ø5000	300 x 4,2	324 x 4,5 ø10000	350 x 5 ø10000
	17	tube	114 x 6 ø2500	141 x 6 ø2500	168 x 7 ø3000	219 x 8 ø3500	190 ø2500	273 x 9,3 ø15000	220 ø3000
	18**	UPN C section hard way	UPN 120 ø4500	UPN 160 ø8000	UPN 180 ø8000	UPN 220 ø9000	UPN 200 x 75 ø11000	UPN 260 ø15000	UPN 240 x 85 ø12000
	19**	IPE hard way	IPE 120 ø3000	IPE 150 ø4000	IPE 180 ø5000	IPE 240 ø9000	IPE 200 ø5000	IPE 270 ø11000	IPE 240 ø10000
	20**	HEA hard way	HEA 100 ø4500	HEA 120 ø3000	HEA 160 ø8000 HEB 140 ø10000	HEA 200 ø9000 HEB 180 ø12000	HEA 180 ø4500	HEA 240 ø20000 HEB 200 ø10000	HEA 200 ø9000
Section modulus	W cm ³		40 - 70	80 - 150	120 - 220	240 - 450	180 - 320	350 - 600	300 - 600
Shafts ø	mm		105	140 / 120	180 / 160	200 / 180	240 / 220	260 / 260	280 / 260
Rolls ø (external)	mm		315	390	470	560	550	680	660
Electric Power	HP		15	20	30	40	40	60	50
Rolling Speed	m/min		7	7	7	7	7	7	7

To bend the following profiles: 16-17-18-19-20, it is necessary to utilize special tools and/or special equipment.

Tolerances depends on the final internal diameter; additional set of special rolls might be necessary in case of requests on high tolerances.

The above mentioned capacities are based on sections in mild steel with a maximum of 400 N/mm² tensile strength, rolled down to the stated diameters in multipass.

Capacities can be increased when rolling larger diameters. Tighter diameters can be achieved on lighter capacities. Harder material reduced the announced capacities.

* On this hollow section, due to its structure rigidity weakness, the diameter depends on the section distortion and deformation, much more than from the machine power.

To reduce distortion it is suggested to fill up the hollow section with sand or use special tools.

** For much smaller beams than the capacity reported sometimes a set of further parts is requested (spacers and parts for the special equipment); therefore in this case a technical evaluation is needed.

STRONGER, PRECISE AND MORE RELIABLE... ...New DAVI MCP Angle Roll!



MODEL			MCP						
			30	32	36A	36	42	45	52
	1	flat on edge	250 x 50 ø1800	250 x 70 ø1800	250 x 100 ø2000	300 x 100 ø2000	500 x 130 ø3000	500 x 130 ø6000	500 x 160 ø3000
	2	flat on flat	470 x 70 ø1000	500 x 80 ø1800	500 x 100 ø1600	650 x 100 ø2000	1000 x 150 ø2000	650 x 200 ø4000	1000 x 180 ø4000
	3	square	180 ø3500	170 ø2200	200 ø2500	240 ø2500	310 ø2500	310 ø5000	350 ø3000
	4	round	170 ø1700	200 ø2200	220 ø2200	260 ø2000	380 ø2500	380 ø5800	420 ø4000
	5	L leg out	200 x 28 ø2000	200 x 28 ø1600	200 x 28 ø1800	200 x 28 ø1600	200 x 28 ø1600	200 x 28 ø3500	200 x 28 ø1600
	6	L leg in	200 x 20 ø2000	200 x 28 ø1800	200 x 28 ø2000	200 x 28 ø1800	200 x 28 ø1800	200 x 28 ø3500	200 x 28 ø1800
	7	T leg out	200 x 28 ø1800	200 x 28 ø1600	200 x 28 ø1600	200 x 28 ø1600	200 x 28 ø1600	200 x 28 ø3500	200 x 28 ø1600
	8	T leg in	200 x 20 ø2800	200 x 28 ø2500	200 x 28 ø2500	200 x 28 ø2500	200 x 28 ø2500	200 x 28 ø3500	200 x 28 ø2500
	9	T on one side	200 x 28 ø2800	200 x 28 ø1600	200 x 28 ø1600	200 x 28 ø1600	200 x 28 ø1600	200 x 28 ø3500	200 x 30 ø1600
	10*	rectangular hollow section	250 x 125 x 12	250 x 125 x 12	300 x 120 x 10	420 x 200 x 12	450 x 150 x 12	660 x 610 x 16	480 x 200 x 12
	11*	square hollow section	220 x 13	225 x 12	300 x 13	400 x 16	508 x 20	508 x 20	600 x 20
	12**	UPN C section leg out	UPN 500 ø2000	UPN 550 ø2200	UPN 600 ø1500	UPN 1000 ø4000	UPN 1000 x ø4000	UPN 1000 ø3500	UPN 1000 ø4000
	13**	UPN C section leg in	UPN 500 ø3500	UPN 550 ø3000	UPN 600 ø1500	UPN 1000 ø4000	UPN 1000 x ø4000	UPN 1000 ø3500	UPN 1000 ø4000
	14**	IPE easy way	IPE 500 ø2500	IPE 600 ø2200	IPE 600 ø2500	IPE 1000 ø5000	IPE 1000 ø5000	IPE 1000 ø3000	IPE 1000 ø5000
	15**	HEA easy way	HEA 400 ø13500	HEA 450 ø3500	HEA 600 ø3000	HEA 1000 ø5000	HEM 1000 ø7500	HEM 1000 ø3000	HEM 1000 ø6000
	16	tube	370 x 5.5 ø12000	406 x 6.3 ø15000	450 x 10 ø12000	558 x 12.7 ø10000	660 x 8 ø20000	660 x 8 ø20000	711 x 16 ø40000
	17	tube	368 x 8 ø15000	356 x 9.5 ø10000	400 ø6500	508 x 15 ø10000	610 x 18 ø15000	610 x 18 ø9000	610 x 22 ø20000
	18**	UPN C section hard way	UPN 280 ø20000	UPN 300 ø20000	UPN 320 x 100 ø20000	UPN 400 ø38000	UPN 700 ø90000	UPN 700 ø80000	UPN 800 ø100000
	19**	IPE hard way	IPE 300 ø13000	IPE 360 ø20000	IPE 360 ø22000	IPE 600 ø32000	IPE 800 ø50000	IPE 800 ø40000	IPE 1000 ø55000
	20**	HEA hard way	HEA 260 ø15000 HEB 240 ø30000	HEA 300 ø20000 HEB 260 ø12000	HEA 320 ø30000	HEA 550 ø36000 HEB 500 ø24000	HEA 800 ø50000 HEB 700 ø50000	HEA 800 ø45000 HEB 700 ø45000	HEA 1000 ø55000
Section modulus	W	cm ³	350 - 1000	600 - 1300	900 - 1500	1000 - 4300	3500 - 7700	3500 - 7700	12600
Shafts ø		mm	300 / 280	320 / 320	360 / 320	360 / 360	420 / 420	450 / 380	520 / 420
Rolls ø (external)		mm	720	800	800	800	850	1020 / 840	850
Electric Power		HP	100	100	90	150	180	150	230
Rolling Speed		m/min	7	7	7	7	7	7	7

To bend the following profiles: 16-17-18-19-20, it is necessary to utilize special tools and/or special equipment.
Tolerances depends on the final internal diameter; additional set of special rolls might be necessary in case of requests on high tolerances.
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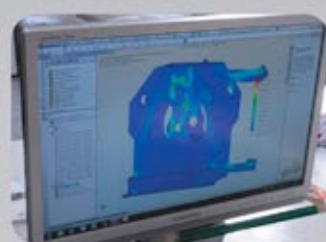
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SOLID, COMPACT AND MOST ADVANCED TECHNOLOGY
For the best productivity

KNOW-HOW

DAVI engineering has 50 years of technological experience in the heavy plate rolling industry.



DAVI UTMOST LEVEL OF QUALITY CONTROL

100% Made in Italy, total quality management (ISO 9001).



READY FOR IMMEDIATE DELIVERY

Dozens of machines (often more than 100), even those for heavy industries, are finished and ready for immediate delivery. As the production is determined not only on orders received, but for its own inventory, DAVI can offer THE SHORTEST DELIVERY TIME.



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THE ONLY CUSTOMER CARE IN ROLLING INDUSTRY

Customer care satisfaction is the DAVI way to conduct business.

Performed by professional, experienced, and specialized customer care Training Team:



16 qualified and dedicated service engineers worldwide

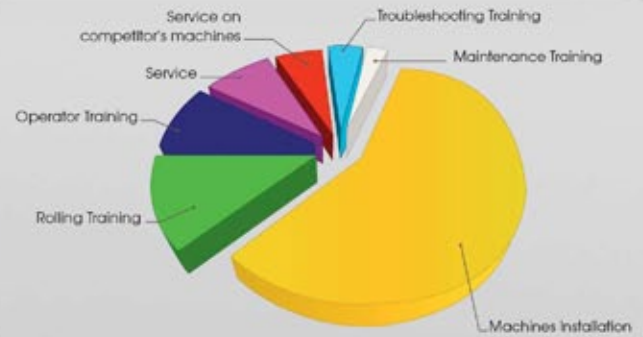


MASTER TRAINER

Master trainer (available for angle roll customers training)



DAVI Customer Care provides the following services:



11.000 PARTS ON SHELF

More than 11.000 parts are available on shelf, in one of the largest Logistic Centers of the fabricating machine industry, are used for machines production or, if needed, as spare parts, to be shipped **ON SAME-DAY BASIS** to our clients.



DAVI CONTROLS: MAKES IT ALL!





DAVI manufactures high quality section bending machines, the perfect machine for any type of beams, sections and pipes, especially the heaviest. These machines can be equipped with many different accessories, to provide the most ergonomic and productive solutions. **DAVI** provides the most user friendly **AUTOMATION**, with software from the simplest to the most technically advanced for angle rolls.

DAVI products portfolio includes 3 and 4 roll plate rolls, with capacity in thickness up to 400 mm and in width up to 12 m, suitable for any applications, particularly the heavy duty ones.



DAVI partner

DAVI
EXCELLENCE IN FORMING

UCIMU



**ISO
9001**

PROMAU S.r.l.

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