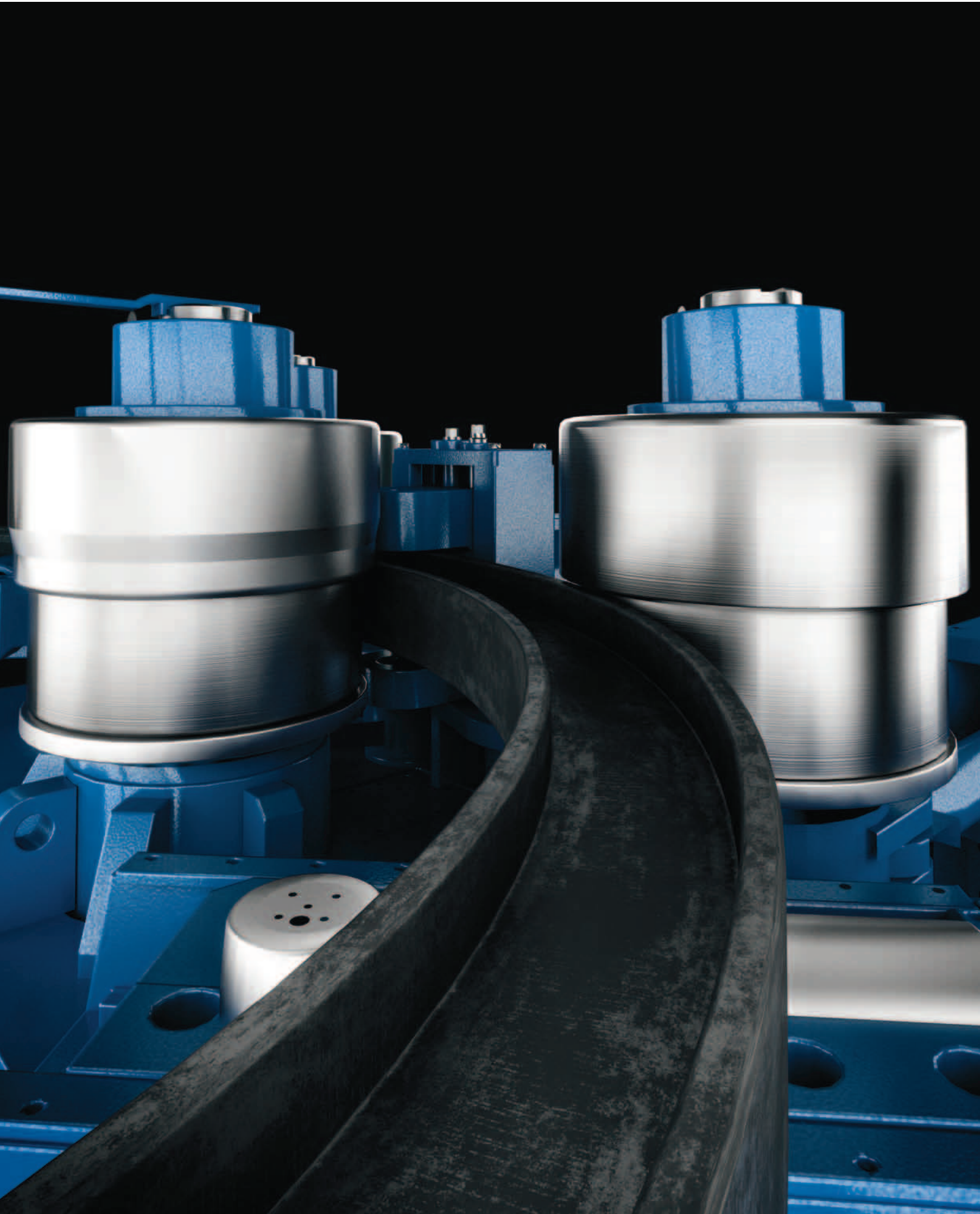




# RCMI Series

“Expressly designed for rolling profiles with high resistance to the bending”





## Angle Rolls Series

### Advanced technology for profile rolling

Series **RCMI “double pinch” angle rolls** are expressly designed for rolling profiles with high resistance to the bending. This is the reason why the structures are heavily dimensioned and are built with heavy thickness plates of certified quality steel. They are electro-welded and heat treated to release the internal stresses. The solidity of the structure is in fact an essential parameter to guarantee reliability and precision through the years. The **RCMI** series angle rolls offers **superior quality** and includes many accessories supplied as standard equipment.

### Superior rolling precision

The large series of rolls supplied as standard equipment allows all the standard profiles to be rolled (including beams, columns and channels rolled on edge).

The adaptability of the special modular system of bending rolls guarantees the best possible guide for the profile during the complete rolling process.

The 4 lateral guide rolls are, as standard, independently adjustable in 6 directions to guarantee the best control of the planarity of rolling, to calibrate diameters and to prevent twisting of asymmetrical sections.



### STANDARD CONFIGURATION:

- Universal rolls for rolling all the standard sections;
- Motorized fine adjustment for the universal rolls height;
- Independent adjustment of the two bending rolls (double pinch);
- External guide rolls independently adjustable in six directions;
- Simultaneous translating and rotating movements for the bending rolls;
- Infinitely variable rotation speed for interpolation between different radii;
- Automatic hydraulic compensation of rolls rotational speed;
- Three independently driven shafts with torque expander;
- Three hydraulic motors and three planetary gearboxes for rolls rotation;
- Special high resistance heat treated forged steel used for the rolls;
- Roll shafts made of NiCrMo alloy steel hardened and ground;
- High load over-dimensioned bearings;
- At your choice console on wheels or pendant type;
- Machine CE certified for its safety;

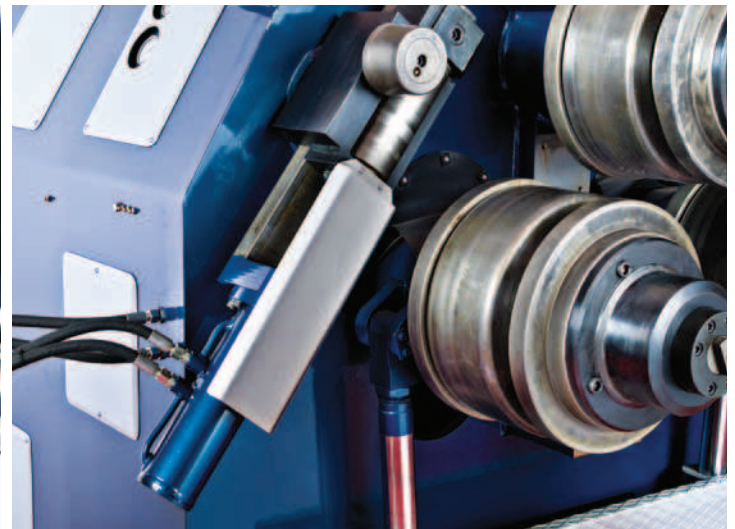
### UPON REQUEST:

- Pipe and RHS rolling dies;
- Hard way rolling units (push/pull devices);
- Spiralling device;
- Fast tool change kit;
- Automatic section feeding;
- Special asymmetrical versions;
- Electronic templates;
- Graphic Numerical Controls;



# Solution for Angle Rolls

“Machines designed for extreme bending performance”



## Example from the range

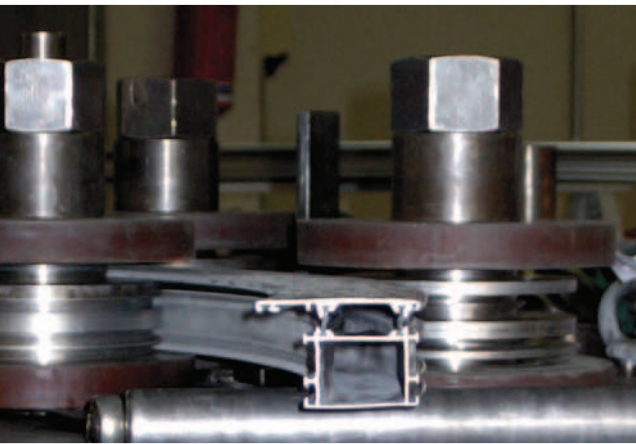
larger, smaller, intermediate sizes, available

RCMI		110	130	170	190	240	280	320	360
<b>Profiles</b>									
1		mm. 200x40 Ø1300	240x30 Ø1000	260x40 Ø1300	350x50 Ø1200	350x70 Ø2000	450x70 Ø2000	500x80 Ø1800	550x100 Ø2000
2		mm. 100x25 Ø800	120x30 Ø1200	150x40 Ø1400	150x50 Ø1200	200x50 Ø2000	250x50 Ø2000	250x70 Ø2000	300x70 Ø2800
3		mm. Ø80 Ø850	Ø90 Ø1000	Ø110 Ø1100	Ø130 Ø1600	Ø150 Ø2000	Ø170 Ø1800	Ø200 Ø2600	Ø230 Ø2600
4		mm. 70x70 Ø800	80x80 Ø900	90x90 Ø1200	115x115 Ø1600	130x130 Ø2000	145x145 Ø2000	170x170 Ø2800	200x200 Ø2200
5		mm. 100x12 Ø1200	120x12 Ø1600	150x15 Ø2800	180x15 Ø2800	200x20 Ø3000	200x20 Ø2800	200x28 Ø2500	200x28 Ø2500
6		mm. 100x12 Ø800	130x12 Ø1300	150x16 Ø1800	180x15 Ø2000	200x20 Ø2200	200x26 Ø2000	200x28 Ø1600	200x28 Ø1500
7		mm. 130x13 Ø1300	140x15 Ø1400	150x15 Ø1500	160x20 Ø1500	200x20 Ø1800	200x28 Ø2000	200x28 Ø1600	200x28 Ø1600
8		mm. 90x8	100x8	120x8	150x8	160x10	200x13	260x13	310x13
9		mm. 110x12 Ø1100	130x15 Ø1500	150x16 Ø1500	180x16 Ø1800	200x20 Ø3000	200x28 Ø2500	200x28 Ø2000	200x28 Ø2000
10		mm. 110x12 Ø1500	125x12 Ø1600	140x15 Ø1600	180x16 Ø3000	180x18 Ø4000	200x20 Ø2500	200x28 Ø2500	200x28 Ø2500
11		mm. 200 Ø1000	220 Ø1000	320 Ø1600	400 Ø2000	400 Ø2500	500 Ø2000	550 Ø2000	600 Ø1500
12		mm. 200 Ø1500	220 Ø1100	320 Ø1800	400 Ø2200	400 Ø1600	500 Ø2300	550 Ø2000	600 Ø1500
13		mm. 200 Ø1000	220 Ø1000	320 Ø1600	400 Ø1500	450 Ø2500	500 Ø2500	550 Ø2000	600 Ø2200
14		mm. 140 Ø1500	160 Ø1700	200 Ø2000	260 Ø2000	280 Ø2200	320 Ø2600	450 Ø3000	600 Ø3000
15		mm. 120 Ø1500	140 Ø1700	180 Ø1600	220 Ø2000	240 Ø2200	280 Ø2200	320 Ø2100	550 Ø3200
16		mm. Ø100x6 Ø1200	Ø140x5 Ø1500	170x6 Ø1500	190x7 Ø2200	220x8 Ø3000	320x9 Ø4000	330x10 Ø6000	400x12 Ø8000
17		mm. 80 Ø5000	120 Ø6000	160 Ø8000	200 Ø12000	240 Ø10000	260 Ø10000	300 Ø22000	320 Ø20000
18		mm. 100 Ø2000	120 Ø2500	160 Ø3600	200 Ø6000	240 Ø12000	300 Ø13000	330 Ø20000	360 Ø22000
19		mm. 100 Ø4000	100 Ø3500	140 Ø5000	180 Ø4500	200 Ø9000	220 Ø10000	240 Ø10000	300 Ø28000
20		mm. 100 Ø6000	100 Ø4000	140 Ø3600	160 Ø4000	180 Ø5000	200 Ø6000	240 Ø7000	300 Ø9500
W cm3		55	90	160	360	600	720	1100	1750

Ask for specific brochures or download them from our web site [www.faccin.com](http://www.faccin.com)



# Angle Rolls Case History



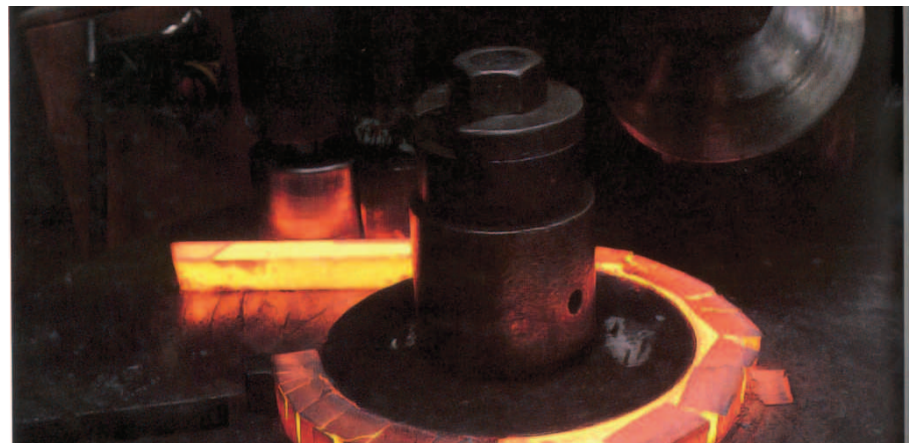
Special versions and Special Tooling for rolling complex shapes and aluminium extrusions.



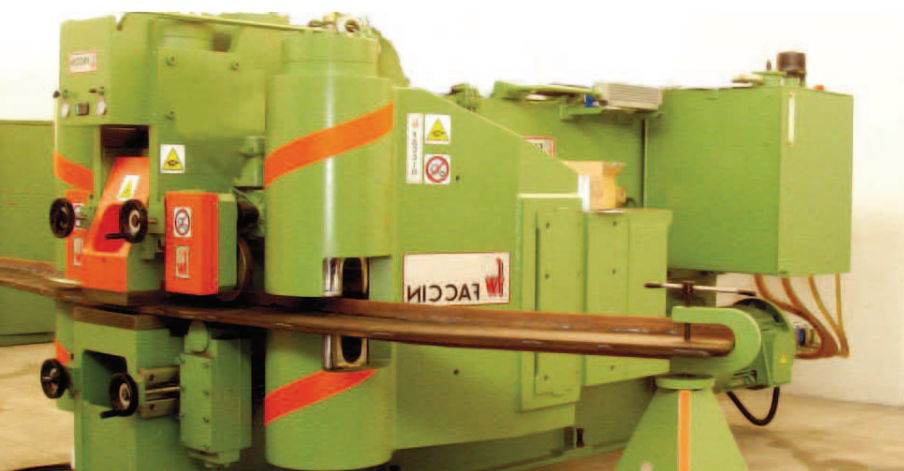
Variable Geometry Beam and Section Benders with capacities up to section modulus 17.000 cubic centimetres.



Spiral Rolling equipment and Spiral Supports for medium and heavy duty applications.



Rotating Table Ring Rolling Machines, ideal for flat and angle bars used as flanges and bearing housings. Capacities up to 70.000 square mm cross-section.



Ship frame and bulb benders for the shipbuilding industry.



Ask for any special requirement, Faccin can offer any solution that is technologically feasible.