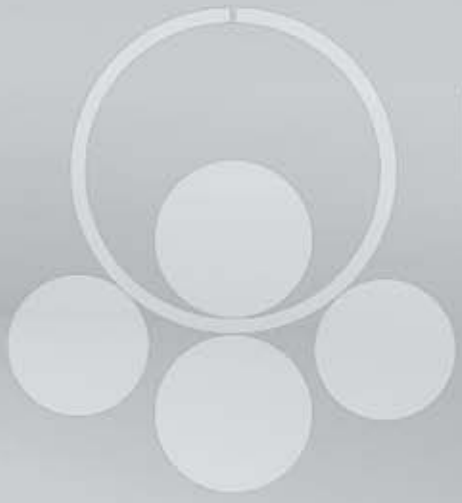
DAVI®

EXCELLENCE IN FORMING

www.davi.com



MCA

4 roll DIGITAL

DAVI
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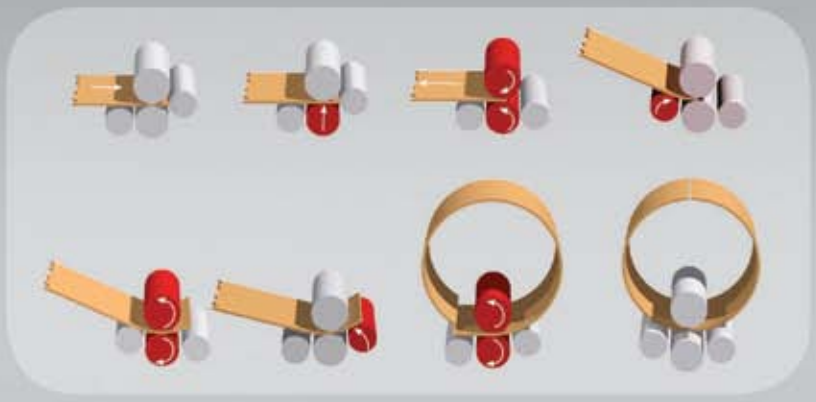
SOLID & COMPACT MOST ADVANCED TECHNOLOGY
For the best productivity

ONE PASS CAPABILITY

The fastest and most productive way to roll.

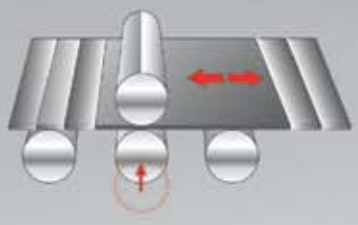


THE HIGHEST LEVEL OF AUTOMATION AND PERFORMANCE

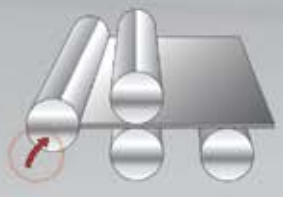
The MCA 4 roll is the most suitable plate roll for high productivity rolling cell.

4 ROLL MCA BENEFITS

The plate is firmly pinched and constantly under control.

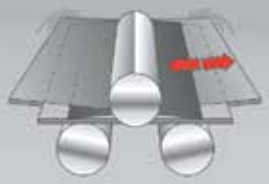


The plate is positively (actively) squared against the rear roll.

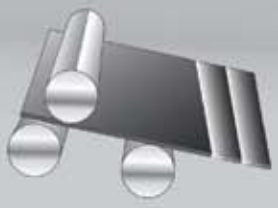


3 ROLL DRAWBACK

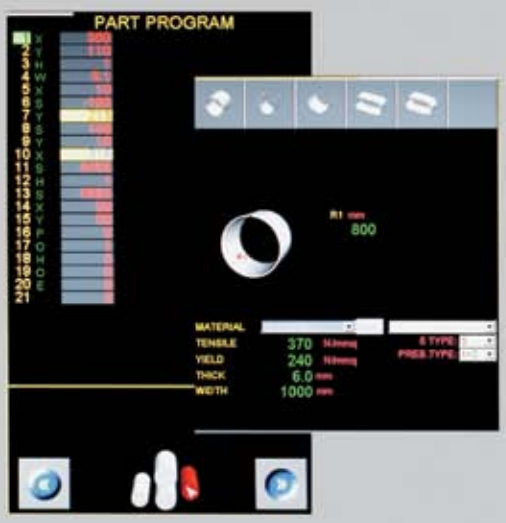
The plate is out of control during the feeding with possible alignment mismatch.



Very difficult pinching.



AIDED PROGRAM



The CNC builds the part-program. Manual fine tune corrects differences of diameters due to the material property variation.

Machines equipped with the Laser Control system can automatically adjust the program sequence in a timely manner with a much better quality result.

STRONGER, PRECISE AND MORE RELIABLE...
...New DAVI MCA Plate Roll!

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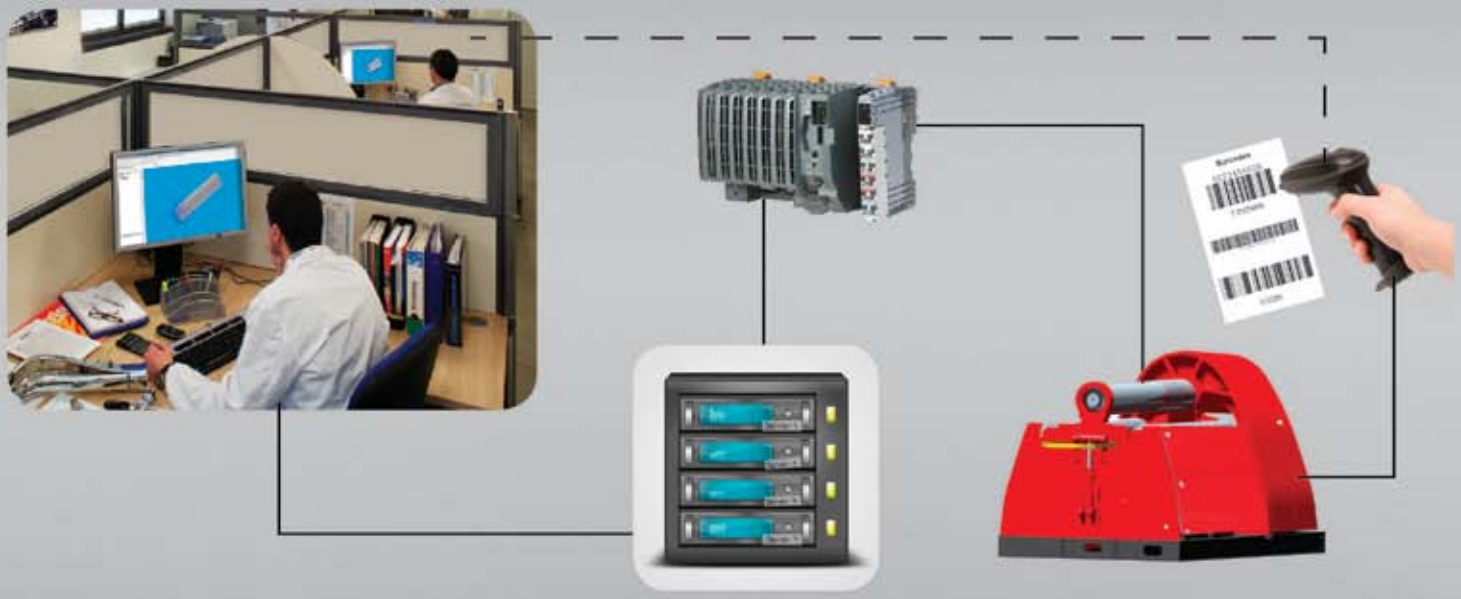
FULL REMOTE PROGRAMMING

The Engineering Dept., can check the machine performance, from anywhere, just with a tablet or a PC connected to the company intranet, at any time. It's also possible to store all the data and parts program, into a remote server for ERP data exchange. The FTP and OPC functions, allow the Production Dept. to manage the production, providing all the data report as far as throughput and performance. Through any bar code reader, the operator can run right away the proper program released by the MRP.



THE LOW FRAME ALLOWS TO BEND SMALLER DIAMETERS CONES

The most extreme and radical cones bending, ever !

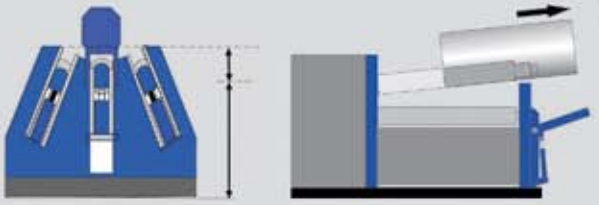
...not possible with higher frames linear guides.

THE LOW FRAME ALLOWS TO REMOVE CANS HORIZONTAL, STRAIGHT, EASIER

DAVI low frame design makes easy to remove the finished parts from the machine (straight and horizontal).

On machines with linear guides, the part needs to be tilted to clear the high frame construction.

PLANETARY GUIDES



LINEAR GUIDES

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MODEL	Roll width	Rolling thickness	Prebending thickness	Top roll diameter	Bottom clamping roll diameter	Electric power
	mm	mm	mm	mm	mm	mm
MCA 2017	2050	7	4	170	160	5.5
MCA 2019	2050	9	6	190	180	5.5
MCA 2020	2050	11	8	205	190	10
MCA 2024	2050	16	13	240	230	15
MCA 2520	2550	8	6	200	180	5.5
MCA 2522	2550	10	8	220	200	10
MCA 2527	2550	15	12	270	250	15
MCA 3017	3100	4	3	170	160	5.5
MCA 3020	3100	7	4	200	180	5.5
MCA 3022	3100	9	6	220	200	10
MCA 3028	3100	14	10	280	260	15
MCA 3030	3100	15	12	300	280	15

DAVI manufactures machines of all types and dimensions which, due to lack of space, cannot be published in full. Upon request, offers can be drawn up for machines of all performance levels; **DAVI** in fact has the technical, design and production expertise to cope with any bending application.

The above mentioned capacities are based on mild steel with max 450 Mpa UTS (Ultimate Tensile Strength) and 280 Mpa as YIELD (Elastic limit), and with the understanding that parts are formed in multiple passes to a diameter equal or larger than five times the top roll diameter. Tighter diameters can be achieved by reducing material thickness, width or tensile strength. On different materials, capacities may vary from our standard.

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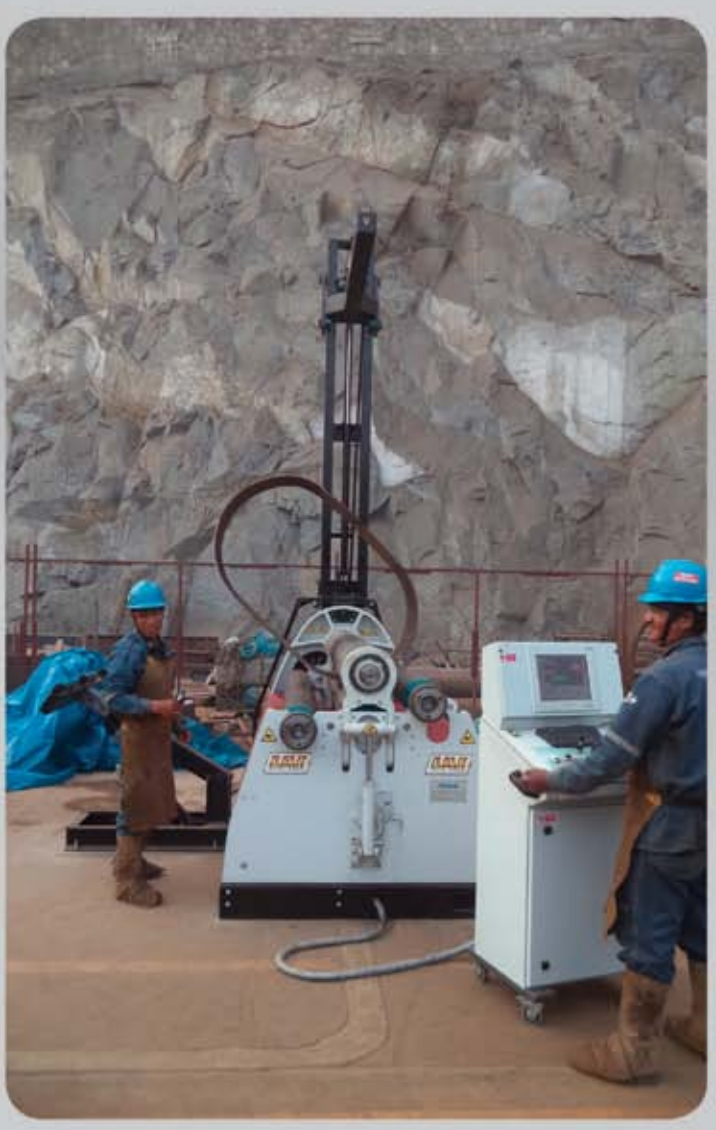

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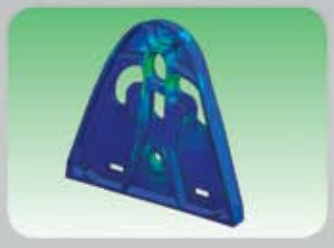
KNOW-HOW
DAVI engineering has 50 years of technological experience in the heavy plate rolling industry.



DAVI UTMOST LEVEL OF QUALITY CONTROL
100% Made in Italy, total quality management (ISO 9001).

DNV ISO 9001

DAVI iRoll: MAKES IT ALL!

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...New DAVI MCA Plate Roll!

DAVI
EXCELLENCE IN FORMING

HUNDRED OF MACHINES IN STOCK !

Only DAVI has been producing hundred of machines for his inventory ! SINCE YEARS !
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 received orders, but for its own inventory, DAVI can offer THE SHORTEST DELIVERY TIME.

11.000 PARTS ON RACK !

More than11.000 parts required to feed that massive DAVI production for inventory.

11.000 PARTS, IF NECESSARY, TO SUPPORT CUSTOMERS !

These more than 11.000 parts can be used as spare parts (if required), to avoid weeks or months of machine's down time, which is common to the machines of those competitors who'd have no parts in stock (it does NOT happen at DAVI... !).

16 DEDICATED ENGINEERS ALWAYS AVAILABLE TO SUPPORT CUSTOMERS...

...as they are NOT involved in DAVI production. Highly professional team, which ensure installations, commissioning, trainings, preventive maintenances, worldwide, including also service to machines of competitors, if the Manufacturer CANNOT supply prompt service.

DAVI provides 3 and 4 roll plate rolls with capacity in thickness up to 400 mm and in width up to 12 m, suitable for any application. Plate rolls can be equipped with many different accessories, to provide the most ergonomic and productive solutions, such as: in-feed conveyors, front, side and vertical supports for large diameters. **DAVI** provides the most advanced **AUTOMATION**, with software from the simplest to the most highly technical state of the art systems for plate rolls.

DAVI products portfolio includes high quality angle rolls, the ideal machine for any type of beams, sections and pipes, especially the heaviest.

DAVI partner

ARCENT

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UCIMU

ISO 9001

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