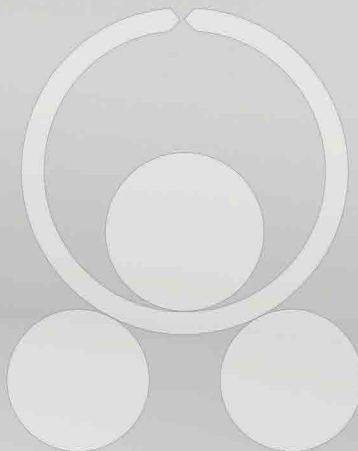


# DAVI<sup>®</sup>

EXCELLENCE IN FORMING

[www.davi.com](http://www.davi.com)



MCO  
3 roll DIGITAL

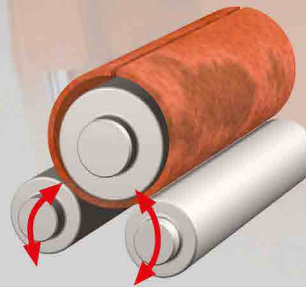
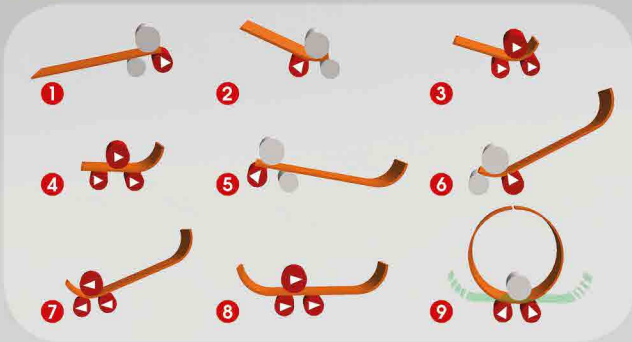
**DAVI HEAVY-DUTY PLANETARY GUIDES (1988 PATENTED)**

More than 1.000 Heavy Duty plate rolls are in production, since many years, all around the world



**ROLLING SEQUENCE:**

1. The plate is pinched between the top and rear roll
2. The front roll raises to the prebending position
3. The rolls rotate to prebend the leading edge
4. The plate is completely fed to the rear position
5. The front roll raises pinching the plate
6. The rear roll raises to the prebending position
7. The rolls rotate to prebend the trailing edge
8. The plate is moved in the middle position
9. The front and rear rolls raise sequentially to roll the entire plate up to close it at the desired diameter



**GET THE TIGHTEST DIAMETER, EVER**

DAVI PSG is the only geometry which allows to get a minimum diameter as tight as 1.1 times the top roll diameter, instead of 1.4 - 1.5 of the linear guides



**MILL SCALE PROOF AND NO LUBRICATION**

DAVI PSG doesn't need lubrication or cleaning, anytime  
MILL SCALE doesn't scratch the guides, ever  
NO WEAR of the guides, lifetime



Linear guides: a fatal destiny of wear

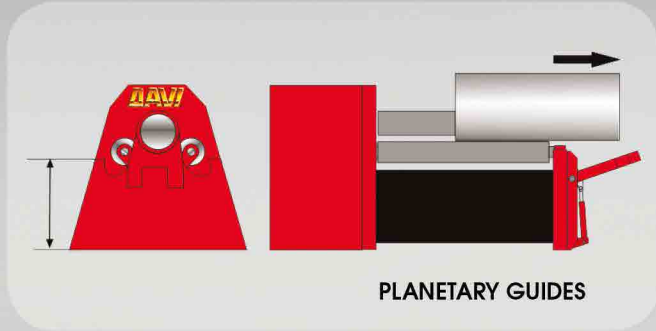
# STRONGER, PRECISE AND MORE RELIABLE... ...New DAVI MCO Plate Roll!



## 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).

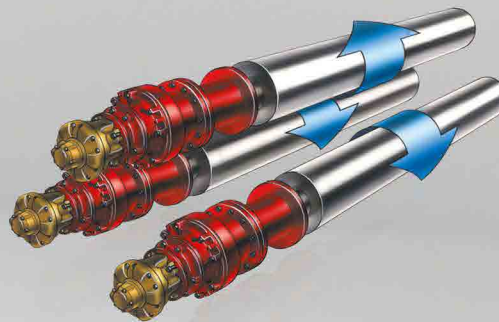
On machines with linear guides, the part needs to be tilted to clear the high frame construction.



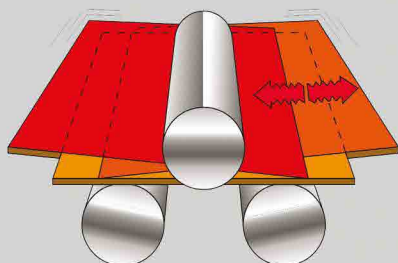
## THREE ROLLS POWERED

Main benefits:

1. The plate doesn't slip during the operation
2. Higher torque available
3. Excellent prebending due to best torque distribution (internal and external to the plate to be fed)
4. The side rolls are directly braked



## THANKS TO THE THREE ROLLS DRIVEN THE PLATE DOESN'T SLIP DURING THE OPERATION



## PERMANENT LUBRICATION TECHNOLOGY

For maximum reliability; used by DAVI since 1982, also on monster machines up to 300 mm thickness capacity.



SOLID & COMPACT MOST ADVANCED TECHNOLOGY  
For the best productivity



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

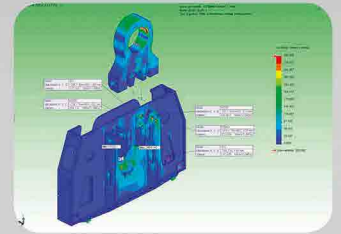
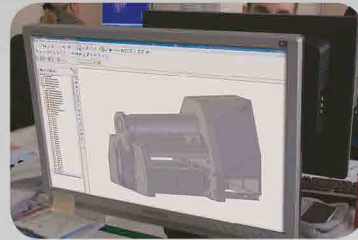




# SOLID & COMPACT MOST ADVANCED TECHNOLOGY For the best productivity

## 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).



## DAVI iRoll: MAKES IT ALL!



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



## 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 than 11.000 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



**UCIMU**



**ISO  
9001**

PROMAU S.r.l.

Via Civinelli 1150 | 47522 Cesena (FC) ITALY

Tel. +39 0547 319611 | Fax +39 0547 317850

davi-sales@davi.com | www.davi.com