DAVI®

EXCELLENCE IN FORMING

www.davi.com

MCB

4 roll DIGITAL

DAVI
EXCELLENCE IN FORMING

SOLID & COMPACT MOST ADVANCED TECHNOLOGY
For the best productivity

DAVI HEAVY-DUTY PLANETARY GUIDES (1988 PATENTED)

6.500 Tons
of bending power

Mill Scale - Proof
Friction - Free
Maintenance – Less

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

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

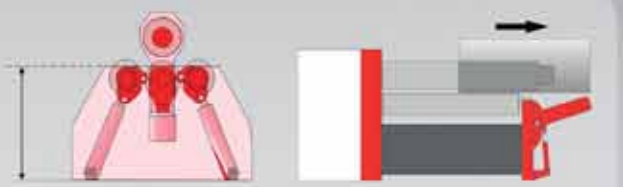
Linear guides: a fatal destiny of wear

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

DAVI EXCELLENCE IN FORMING

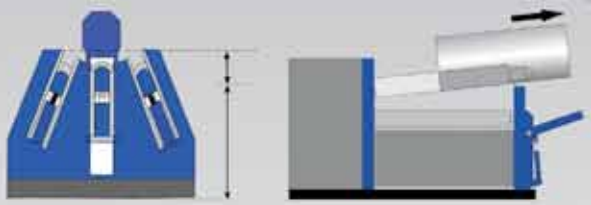
THE LOW FRAME ALLOWS TO REMOVE CANS HORIZONTAL, STRAIGHT, EASIER

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



PLANETARY GUIDES

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

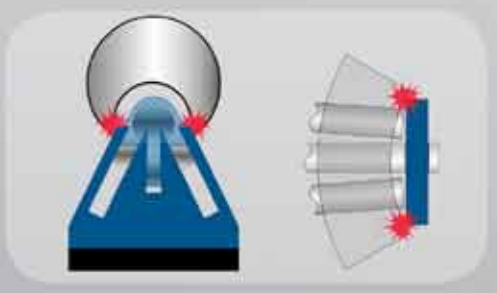


LINEAR GUIDES

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 SHORTEST FLAT END !

The prebend on a small roll of a ULTRA HEAVY plate (much heavier than the machine capacity) may determine a very long flat end, which cannot be reduced notwithstanding the **very short** side rolls distance design of the machine.

The prebend of the same ULTRA HEAVY plate on **much heavier machines** have a virtual no flat end at all ! despite a **more than double** side rolls distance (the evidence the flat end ONLY depends on the machine power, and NOT AT ALL on the side rolls distance).

Small machines, with a light clamp but a **very short** side roll distance, generate, ON A HEAVIER plate than their capacity a **VERY LONG flat end**.

Heavier machines, with a heavy clamp but more than double side roll distance have **ALMOST NO FLAT END AT ALL**.

EXCELLENCE IN FORMING

SOLID & COMPACT MOST ADVANCED TECHNOLOGY
For the best productivity

4000 x 80 mm

3500 x 80 mm

3500 x 220 mm

3000 x 100 mm

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EXCELLENCE IN FORMING

SOLID & COMPACT MOST ADVANCED TECHNOLOGY
For the best productivity

With 50 years of competence and experience, we engineered an innovative plate roll geometry, with the following advantages:

- The absolute most compact and sturdy design
- Generally increased performances
- Increased life span of the main components, less stressed
- Shallow pits or no pit at all, providing a less expensive solution
- The lowest maintenance need in the plate roll industry

VIRTUAL NO FLAT END !

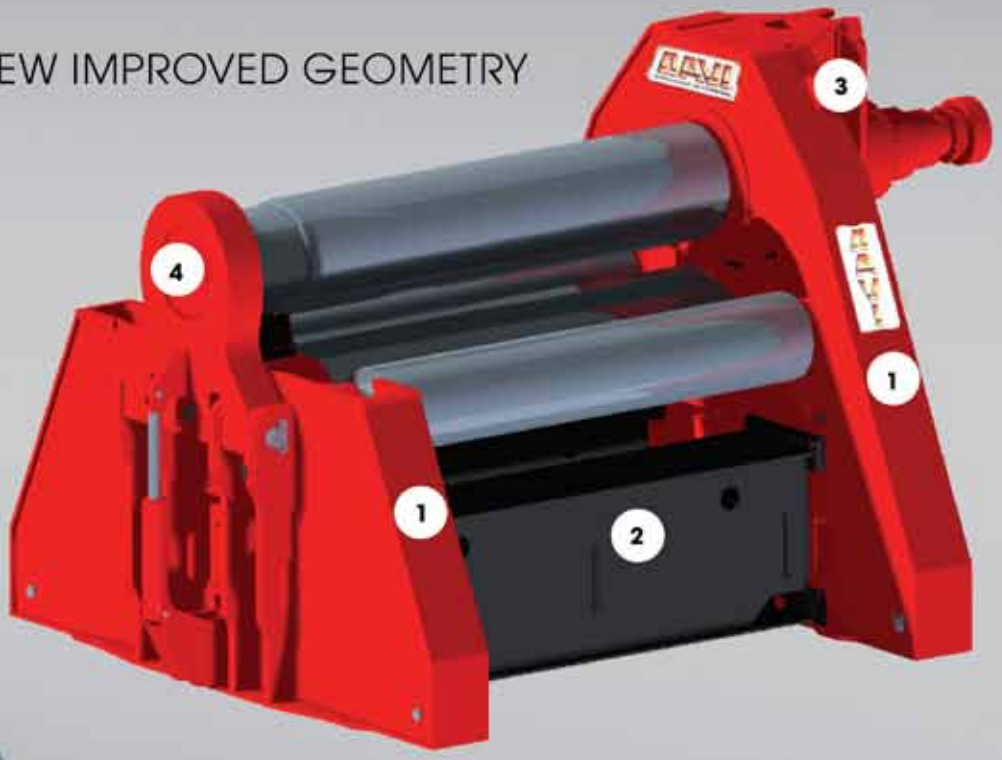
STRONGER,
PRECISE,
RELIABLE:
DAVI MCB
PLATE ROLL

STRONGER, PRECISE AND MORE RELIABLE...

...New DAVI MCB Plate Roll!

DAVI® EXCELLENCE IN FORMING

NEW IMPROVED GEOMETRY



1 = Frames, with new geometry allowing high performances improvements

2 = New "H-Beam" shape intra-frames base design

3 = New top roll transmission, stress-free

4 = New sturdy, ultra-wide, solid yoke

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

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4000 x 200 mm

3500 x 260 mm

4000 x 200 mm

3000 x 200 mm

3000 x 170 mm

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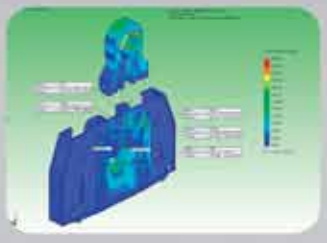
KNOW-HOW

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).

ISO 9001

DAVI iRoll: MAKES IT ALL!

STRONGER, PRECISE AND MORE RELIABLE...
...New DAVI MCB 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 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 mt, 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

ARCENT (SINGAPORE) PTE LTD
15,Yishun Industrial Street
Win 5 #01-28
Singapore 768091

Tel: +65 6356 6997
sales@arcentwelding.com
www.arcentwelding.com

DAVI®
EXCELLENCE IN FORMING

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

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