

# GROUND SURFACES PROVIDE A HIGH-END FINISH FOR FLAWLESS UPMARKET PRODUCTS

Metal has its own unique lustre, its own unique warmth.

A pristine surface finish not only gives metal a perfect appearance, it is, in fact, the most important prerequisite.

WEBER has been working for years to bring out the best in each material. With the WEBER M it is achieved!



SURFACE FINISH

## Quality “Made in Germany”

Our company, rich in tradition, can look back on over 100 years of grinding machine manufacturing. The WEBER machine works are synonymous with innovation and high-quality machine construction.



## WEBER M

Perfect finish for high-end metal sheets



**Hans Weber**  
**Maschinenfabrik GmbH**  
Bamberger Str. 20  
D-96317 Kronach  
Phone +49 (0)9261 409-0  
Fax +49 (0)9261 409-399  
Email: [info@hansweber.de](mailto:info@hansweber.de)  
[www.hansweber.de](http://www.hansweber.de)

**WEBER**

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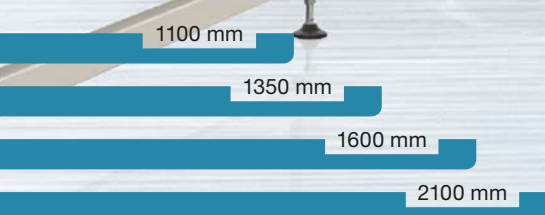
**WEBER**



## WEBER M

Surface finish for metal coils and metal sheets

The creation of brushing and grinding patterns on high quality metal sheets is a science in itself. With its series M, WEBER has developed a machine that creates such perfect grinding patterns that nothing is left to be desired. When necessary, even fully automatically.



- Working widths 1100, 1350, 1600 and 2100 mm
- Working height 850 mm (constant)
- 1 to 2 machining stations per frame unit
- Workpiece thickness 0.5–25 mm
- Infinitely variable feed speed (3–25 m/min)
- Grinding belt length 2620 mm
- Grinding belt drive up to 75 kW
- Multi Panel MP 377
- “i-Touch” controller
- Freely selectable arrangement of grinding stations

## WEBER M

Perfect finish for metal surfaces



### WEBER M grinding patterns

Perfectly ground and brushed surfaces in consistent WEBER quality

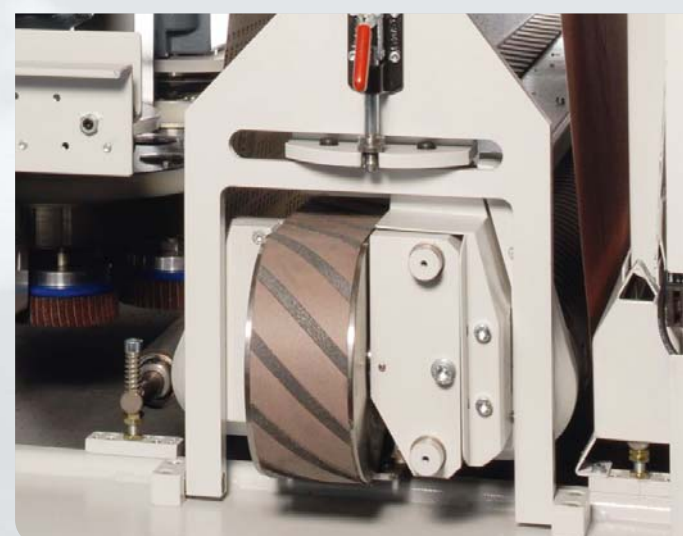
The WEBER M creates a sophisticated surface finish for high-end products. Whether short line, long line or duplo finish – the number of variations is virtually unlimited. It is a matter of course that this is achieved with absolutely consistent WEBER quality.



### WEBER M-GD grinding rollers

For a uniform grinding force

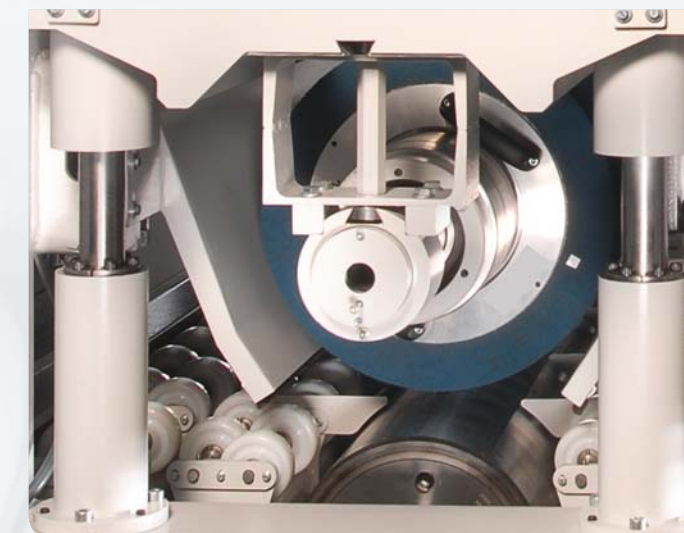
The WEBER M-GD grinding roller is process-controlled pressed against the workpiece, and thus creates a perfect grinding pattern of absolutely consistent, best quality. The grinding operation is controlled by the leading edge and trailing edge. This prevents damage to the grinding belt, thus lengthening the service life of the grinding belt and further increasing the efficiency of the machine.



### WEBER M-CBF grinding beams

Transverse lamellae belt for variable grinding patterns

The patented WEBER CBF system presses the grinding belt against the workpiece via a segmented grinding beam. In this way, diverse grinding patterns are possible with an easily adjustable line length. Even machining thicker metal sheets is no problem for this system – and it is all accomplished with a longer grinding belt service life and lower material heating.



### WEBER M-BS brush rollers

Uniform surface finish due to brush oscillation system

The secret of the WEBER M: the newly developed oscillating brush system M-BS creates every imaginable brush pattern. Up to 2000 strokes per minute enables the duplo finish (grinding and brushing) in just one pass. And that at extremely high feedspeeds. The system operates extremely uniformly – fluctuations in quality are thus a thing of the past.



### WEBER “i-Touch” control

Intuitive single-button control and clearly arranged touch screen monitor

WEBER machines are standard equipped with a high quality touch operating terminal with colour mode. This is based on the Siemens S control system. All adjustments can be made and saved on the operating terminal. Integration into a higher ranking control system or interlinking with other machines is no problem.



### WEBER M line integration

Unlimited integration

As with almost all WEBER machines, the WEBER M can be easily integrated into existing production lines. With this series WEBER goes even further: In combination with an automated blank sheet storage system, the machine provides all required grinding patterns – fully automatically.