



# Embossing Calender

For metal and graphite Bipolar Plates

## Technical data Calender

Web width:	up to 1,000 mm
Production speed:	up to 150 m/min
Roller diameter:	up to 1,000 mm
Gap accuracy:	$\pm 1 \mu\text{m}$
Compression force:	up to 300 tons
Roller temperature:	+10 °C up to +200 °C

## Your advantages

Very sturdy and compact design
Direct drive of each roller
Inline/offline applications
Easy to operate
High automation level
One-stop-shop

## Dimensions of the embossing

Laser/milling width up to 1950 mm at max. diameter of 500 mm (depending on the process)

## Optional

Control engineering: electro-hydraulic
Preheating (IR-Field, S-Roll design)
Cutting units
Remote maintenance
Inspection system
Marking system

## Our technologies

3D CNC Milling (in surface of steel and copper, plastic, etc.)
3D Laser direct engraving (in surface of steel and copper, plastic, etc.)
Laser etching gravure (in surface of steel and copper)

