


RCS-RB *Grinding machines*



*Uncompromising
precision and quality
for graphic and
technical industries*




IMEAS

Concept

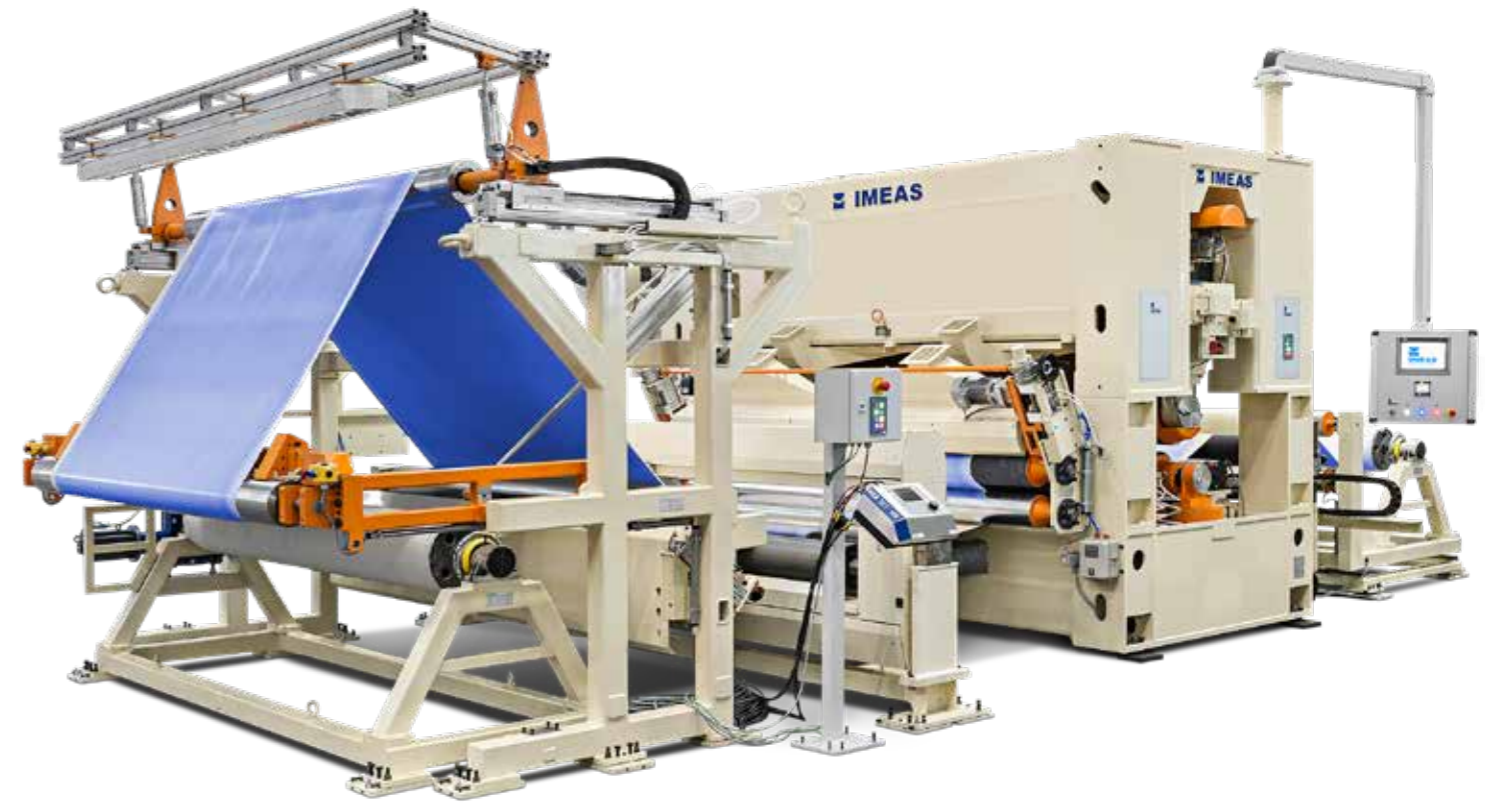
The **IMEAS RCS-RB** machines represent the ultimate solution for grinding and finishing rubber blankets. Designed for maximum reliability and consistent performance, they combine advanced grinding technologies with a robust construction and intelligent control systems.

The result is a uniform surface, with calibrated thickness down to hundredths of a millimeter, meeting the highest standards of quality and productivity.

- Calibration accuracy up to 0,01 mm
- Uniform surfaces with controlled roughness
- Absolute repeatability even on elastic materials
- Cleaner and safer working environment thanks to advanced dust extraction and deionization



RCS-RB/290 DETAIL OF THE GRINDING UNIT



RCS-RB/260

FEATURES & BENEFITS

At the heart of the RCS-RB is the **steel calibrating roll**, ground and balanced to the gram, ensuring flatness and long-term stability. In combination, the **rubber-coated Billy Roll**, with micrometric adjustment, provides total control of material removal and finishing.

An innovative system allows quick and efficient variation of the wrap angle, switching between grinding and finishing modes for maximum production versatility.

A **smart tensioning system** keeps the blanket perfectly planar, while an in-line thickness measuring device guarantees real-time process adjustment.

A combination of **cleaning brushes**, integrated extraction and deionizing bars prevents defects and maintains a safe, dust-free working environment.

The **intuitive HMI touch screen** with recipe management simplifies operation and reduces setup time, while the **Industry 4.0 compatibility** allows ERP integration and remote support via TeleService™.

Technical Data

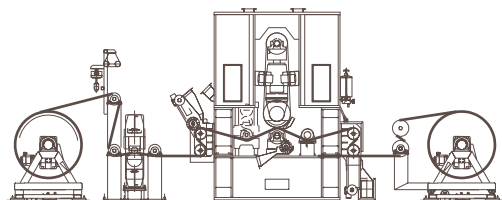
STANDARD FEATURES

- Electro-welded steel structure, stress-relieved, CNC machined and painted
- High efficiency motors
- Siemens S7 PLC with ProfiNET™ connection
- Full-color HMI touch screen
- Long-life grease-lubricated bearings
- Deionizing bars
- Integrated dust extraction system

- On-board pneumatic cabinet with emergency tank, pressure regulators and lockable inlet

OPTIONAL FEATURES ⁽¹⁾

- Sound-proof enclosure
- Vibration control system
- Allen-Bradley PLC
- Full Control System™ for automatic electronic head adjustment.



RCS-RB

Model	RCS-RB
No. of working units	One top grinding unit
Applications	Grinding and finishing of rubber and flexible composites coils
Working width	1900 – 2300 – 2600 – 2900 mm
Thickness range	0,5÷7,0 mm
Crosswise tolerance	±0,01 mm
Working speed	3÷30 m/min
Main motor	55 kW con inverter
Abrasive belt length	3200 mm
Machine weight ⁽²⁾	17.000 - 20.000 kg

NOTES

1. Available at extra price.
2. Depending on working width.

IMEAS spa reserves the right to change any data without notice.