Powe

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Precision

All the steel parts required are produced on modern CNC machinery to ensure consistant *within* tolerance results. Pivot points for the connection of the swing arm system, hydraulic cylinders, the *yoke*, utilize high static load bearings and (self-lubricating bushings), being virtually maintenance free.

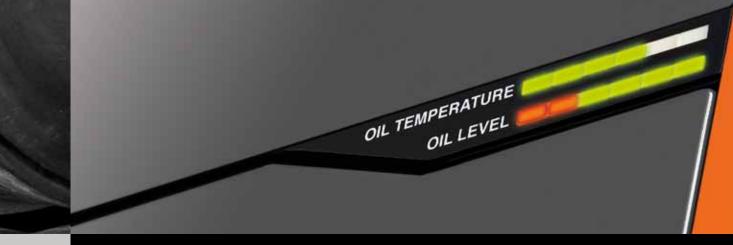
Encoders are attached to each end of the pinch side rolls, these encoders are used to individually monitor each pinch side rolls position and paralessism relative to the top roll. The encoders operate in unison with the machines PLC and electro-hydraulic valving.

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Reliability

Reliability is achieved by attention to many details, such as:
• It is important to maintain a regulated hydraulic oil temperature, if the a hydraulic oil system overheats, it then reduces plate roll performance. **ROCCIA** plate rolls are fitted with an oil cooling heat exchanger, monitored by electronic indicators.

- Electronic indicators for low hydraulic oil level and filter failure due to excessive debris contamination [clogging].
- Every design calculation of a **ROCCIA** machine is generously increased by 20% to ensure that a **ROCCIA** plate roll-



ing machine works below max capacity, but has a capacity to withstand the occasional overload.

• Thermal overlad indicators protect the electrical circuits.

Why Roccia?

Experience does matter. At **ROCCIA** we have a group of experienced engineers designers and specialized build personnel, who combine together to obtain the best out of every single project.

- Superior quality, reliability and performance
- Stock parts and after sales service support
- ROCCIA is aware how important it is to resolve breakdown issues & quickly resume production. Thanks to our in house technicians, stock parts & worldwide dealer organization, we offer a responsive & quick feed back to minimise any machine down time.

Your choice to superior productivity & reliability, it has to be ROCCIA Rundbiegen.



Info and contacts:

ROCCIASRL.COM







Via dell'Artigianato n. 30 • 12040 **S. Albano Stura** CN • ITALY Phone **+39 0172 474388** • Fax +39 0172 474324 info@rocciasrl.com • www.rocciasrl.com



Style

The **ROCCIA** plate rolls modern design lines subtly communicate that here is a high tech plate rolling machine that will deliver exactly what its specification states: a high tech specification, proven and reliable components, robustness of construction, ease of use, value for your money. From first sight the ROCCIA plate roll stands out from all other plate rolling machines, it is the outcome of a precison design, graphical analysis and 3D modeling, plus that all important ingredient, hands on plate rolling knowledge accumulated over many years.



Striving to achieve perfection requires constant attention to many details, ongoing excellence in design technology, vigilance in the fabrication and machining procedures, use of proven and reliable components, a focused team of build technicians, a sales team listening and interacting with customers. At ROCCIA we are proud to say that we have this commitment to our product in abundance, it is what makes a ROCCIA plate rolling machine stand out from its



Technology ROLL DESIGN CALCULATION. It is ROLL CAMBER CALCULATION. BASED ANGLED g of the longitudinal seam, it is itally important factor. If the cambe calculated incorrectly, the result will be a barrel shaped cylinder ie not closin perfectly along the longitudinal seam, gon the middle, (2) an hour glass shapen the longitudinal seam touching DEVICE, that is mounted vlinder, the longitudinal seam touc culation are done on sophisticate cad software that produces all the MECHANICAL ADJUST-MENT OF THE PINCHING MOTORS/PLANETARY GEARower roll [MAP] in counjuntion with the powerful thrust the 2 side bending rolls during the properties. the pre bend cycle ensures minimal flat along the longit dinal edge. USE SWING ARM TECHNOL-ERGONOMIC CONTROL

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Smart machines

With the OP.TIME technology system to position the pre bend ROCCIA Rundbiegen plate rolls rolls, no friction, no power aboffer **up to 20% of energy sav-** sorbed. When the machine is not ing, when compared to traditional in use for a period of 5 minutes an plate rolling machines. Our plate electronic control sets the ma-

a new and exclusive

CLEANLINESS AND ORDER



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Ground floor



LIFTED BY

SURF-ON SYSTEM is a new and terial loading height is around 1 revolutionary patent pending demeter which is considered to be sign. Thanks to it ROCCIA Rund- the optimal height. It's a great biegen machines with capacities advantage and a money saving up to 60mm material thickness do system. not need a pit. With our SURF- Machine maintenance is made a ON SYSTEM the machines ma- lot easier.

CNC control







Three different software op- our team of engineers, always tions for three different levels with our customers requirements of CNC control. Written and to the forefront. The layout of evthen fully tested and optimized ery operation function window is on our plate rolling machines, by clear and user friendly.

Balance

Each ROCCIA machine is the result of balance between high precision machining, controlled assembly procedures, customized hydraulic and electronic components, in order to obtain robust and precise plate rolls, manufactured without compromise.



Mechanical

Electronic

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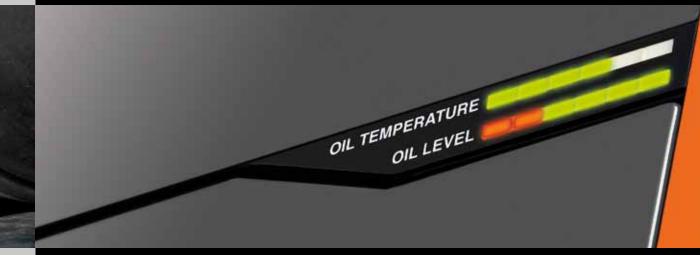
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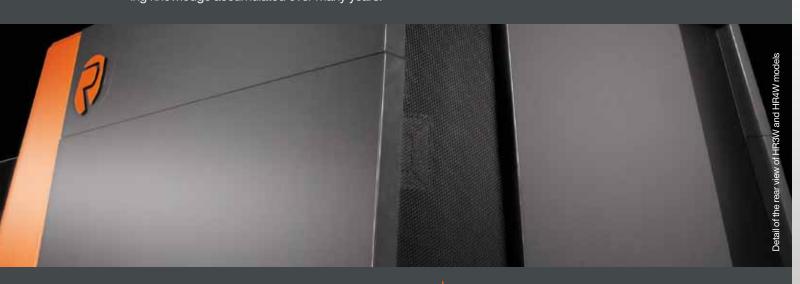




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Commitment

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Smart machines

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CNC control



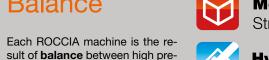




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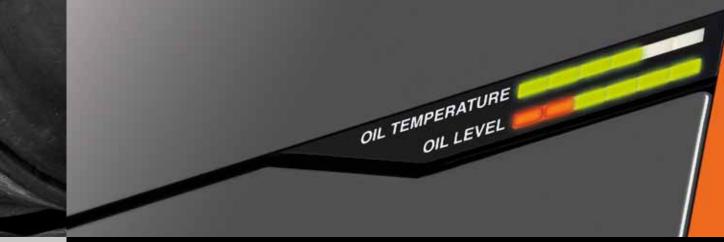
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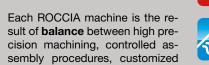
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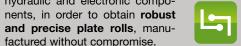




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