Roll Grinding Solutions for the Paper Industry

3D GRINDING TECHNOLOGY™

RollResearch International Ltd. offers a comprehensive scope of roll grinder modernizations for the paper industry. We supply Siemens automation control, fully fitted electrical cabinets, servo drives and motors. We also offer our own sophisticated 4-point measuring and 3D grinding solutions, and are able to carry out mechanical overhaul and replacement of worn parts. Remote diagnostics and spare part services are part of our customer care.

Siemens automation control
- Sinumerik 840D sl or 840DE sl: open, flexible, powerful- the premium CNC system
- PLC Simatic S7: an ideal universal automation system

3D Grinding Technology™
- High precision and reliable grinding
- 4-point measuring to guarantee true roundness measurement
- Automatic CD&MD compensation

Automatic 4-point measuring

Operator interface & grinding and measuring application software for Windows 7

Siemens Sinamics servo drives and motors

Electrical cabinets
- EU and international standards apply

Various roll profiles for grinding

Dressing station

New mechanical parts and lubrication systems

ROLLRESEARCH AUTOMATION LAY-OUT

Xianfeng grinding machine, fully modernized in 2013
The scope of our deliveries also encompasses accessories and spare parts which are vital in keeping the rolls always in top condition.

3D TurnControl™
- High precision turning system for supercalender lathes

SBS Schmitt automatic wheel balancing

Coolant filtering system

Superfinishing device

Hydrostatic grinding wheel spindle

Steady rests & gibbs

Belt grinding device
- integrated and attachment models

Venta-nip grooving attachment
- various models

Remote service and diagnostics
- Research
- Troubleshooting
- Condition analysis

Mechanical refurbishing
- rescraping
- alignment

Customer training

RollResearch International Ltd. is a certified member of the International Solution Partner Program of Siemens Corporation. Siemens products and components are in the core of RollResearch's delivery scope for the global steel industry. Certified Partners operate responsibly, ensuring good local service, high quality and related knowhow.

RollResearch International Ltd. global sales and service network is ready to serve our customers worldwide.

www.rollresearch.fi, e-mail: info@rollresearch.fi

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