



NEW ROLLS • ROLL SERVICE • ROLL COVERS • VACUUM PUMP SERVICE

The company Richter was founded in 1971 by Wolfgang Richter.

Nowadays, the Richter Group consists of four plants in Germany and Finland, and employs totally 200 people. In the center of attention is the excellent customer service in form of manufacturing, services, maintenance, planning and implementation of machine optimization as well as wear and tear protection.

The Karhula workshop was established in 1889.

After being a part of Ahlström and later on Metso/Valmet, it was acquired by Richter in 2013.

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# PRODUCT RANGE

## Roll Service:

- Zone controlled roll service
- Swimming roll service
- Suction roll service
- Tube roll (guide roll) service & reel spool service
- Calender thermo roll service
- Roll grinding service
- Roll balancing service
- Honing of shells
- Test run on testing bench
- Roll service agreements



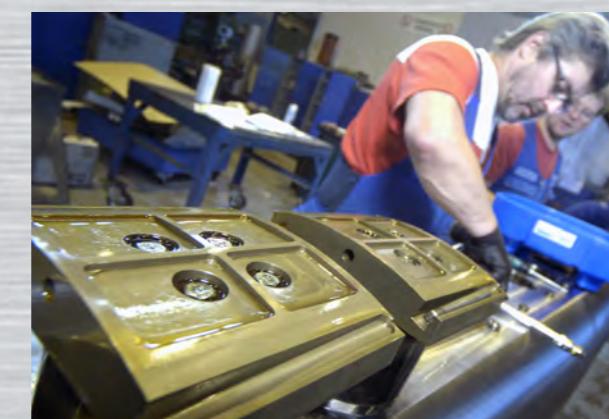
## New Rolls / New Shells:

- Tube rolls
- Reel spools
- Sizer rolls
- Coater rolls
- Calender rolls
- Press rolls
- Deflection compensated roll shells



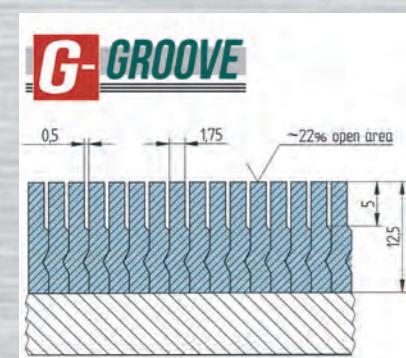
## Exclusive for OEMs:

- Swimming rolls (complete + parts)
- Zone controlled rolls (complete + parts)



## New Roll Covers:

- G-Groove press roll covers (wound stainless steel cover)
- PU cover for reel spools
- MirrorMax Yamauchi's high-end polymer calender cover



## Richter Vacuum Pump Services:

- All types of liquid ring vacuum pumps (Nash, Siemens-Elmo, Bell etc.)
- On-site capacity test to measure the efficiency of the pump. Energy losses calculated and reported in kilowatts
- Reconditioning of the pump returns the energy efficiency to the level of a new pump. Efficiency will stay much longer compared to a new pump because of special materials developed by Richter.
- Customer receives an inspection report after disassembly of the pump including a photo documentation. Only necessary repair steps will be carried out in order to save costs for the customer.



## Machinery:

*Roll service up to roll weight of 80 tons*

**Turning:** Ø 2100 mm x 18000 mm up to 60 tons



**Internal turning:** Ø 1500 mm x 10500 mm up to 60 tons

**Grinding:** Ø 2000 mm x 13500 mm up to 80 tons

**Milling:** x=14000 mm, y=2100 mm, z=600 mm  
x=10000 mm, y=950 mm, z=2500 mm



**Planing:** x=12540 mm, y=1250 mm, z=2500 mm



**Boring:** x=15000 mm, y= 3000 mm, z=1100 mm  
w=900 mm up to 80 tons



**Honing:** Ø 1250 mm x 10250 mm up to 60 tons



**Balancing:** Ø 3200 mm x 15000 mm up to 40 tons