

Roll Checkup and Just-in-Time Roll Service.

Please send me a quotation for the analysis of corrugation/fluting imprints.

I wish personal consulting. Please contact me.

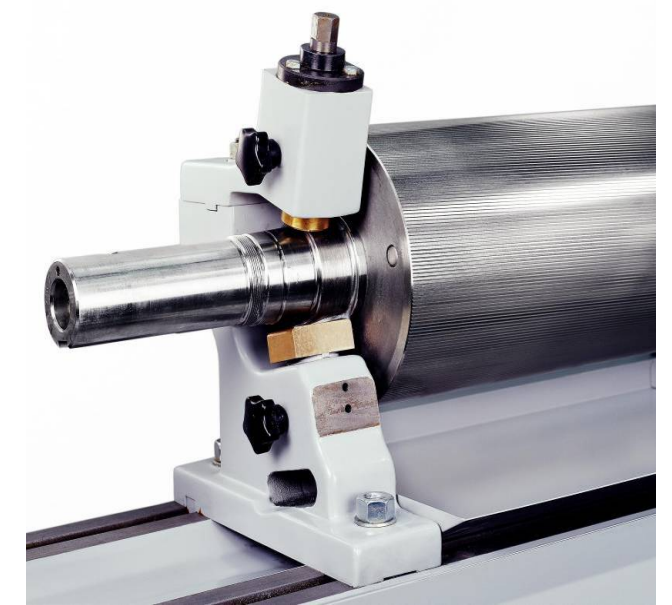
Company	
Address	
Post code / place / country	
Ordered by	
Phone / fax	
Place / date	
Signed	
Remarks	

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Roll Checkup and Roll Service *Just in Time.*

We make sure that your rolls will keep on rolling.



Rolls are wear parts which require regular maintenance. Only rolls in a good condition will ensure uniform flaking and thus fast wort separation. This will enable you to increase your number of brews and ultimately to produce more beer with a given plant.

With our Roll Checkup and extensive Roll Services, we offer you specialist support that leaves nothing to be desired. Buhler Services are as flexible as you need them.

We invite you to read on and satisfy yourself of the quality of our offer!

Do you wish to receive more information on this and other Buhler Services? Then please don't hesitate to get in touch with your Buhler contact in your region today! We look forward to assisting you.

Preventive maintenance for high economy.

Grain Processing Customer Service



Your benefits

- Constant grinding action
- Optimal particle size distribution
- Extended service life
- Minimized downtimes
- Reduced and predictable fixed costs
- Better possibilities of planning and thus reliable budgeting
- Top Buhler quality



Roll Checkup. Corrugation / flute imprint (Buhler patent).

Crushing mill rolls are wear parts and as such components that must be exchanged at certain intervals.

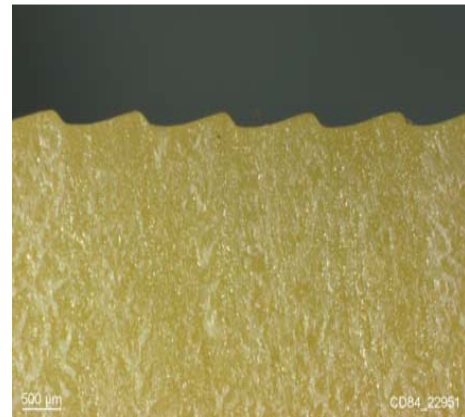
But when do you know when the time has come for a roll change?

The wear condition cannot be determined reliably by the naked eye. Buhler therefore offers its corrugation/fluting imprint service in order to avoid unnecessary or late changes due to guesswork or unreliable data.

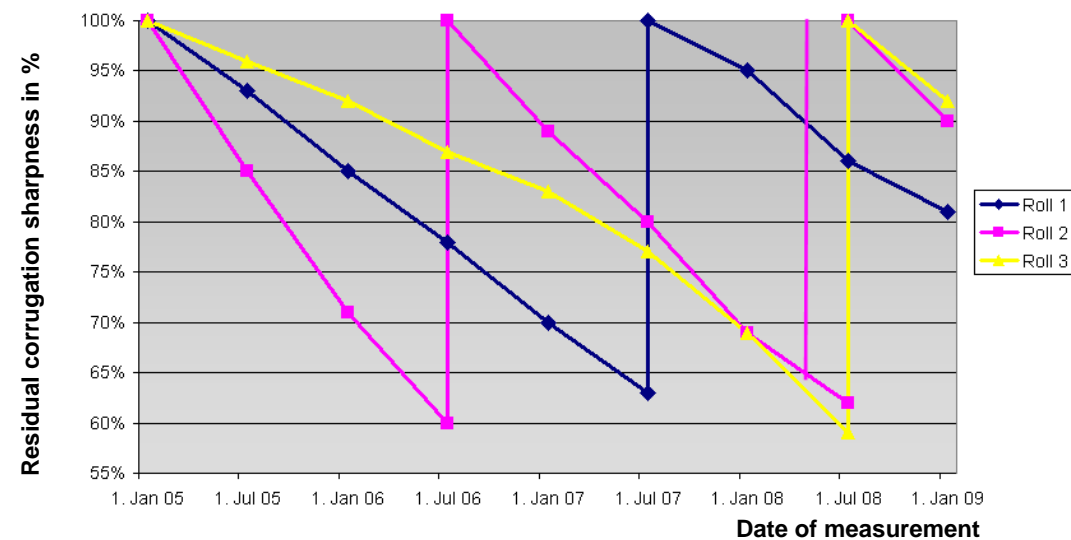
The results of a corrugation/fluting imprint analysis enable you to plan roll changes exactly. You can thus assure a stable yield as well as a consistently high product quality with a uniform particle size of the crushed material.



Corrugation/fluting imprint



Cross-section of a corrugation/fluting imprint



Example of a corrugation/fluting imprint analysis of three roll passes (equals 1 roll pair at 2 rolls each)

Roll 1 was reconditioned on July 1, 2007.

Roll 2 was reconditioned on July 1, 2006 and July 1, 2008.

Roll 3 was reconditioned on July 1, 2008.

Roll Service *Just in Time.* Roll reconditioning – roll changes – roll exchanges.

Roll reconditioning

For top flaking results

- Cleaning
- Inspection upon arrival
- Turning
- Grinding
- Length alignment
- Beveling
- Dynamic balancing
- Frosting or corrugating/fluting
- Gear wheels
- Corrosion protection
- Packing

Roll changes and logistics

We will do your planning for you

- Installation and removal of the rolls
- On-schedule delivery
- Collection of rolls at customer's site
- Safe and reliable shipping
- Roll packing

Roll exchanges and storage logistics

We will store your roll pool for you

- Utilization of a spare roll pair
- No capital investment for spare rolls
- One-time cost for a given period of utilization
- Stocking at Buhler, NOT at customer's site
- Next roll change upon call



The Buhler Roll Service with its specially trained staff minimizes your downtimes by offering you optimal support and planning the work processes.

We would be pleased to quote you also *individualized* service packages.

Don't hesitate to get in touch with your Buhler contact person today!

Just-in-Time Roll Service	Service levels		
	Standard	Silver	Gold
Roll reconditioning	X	X	X
Roll changes		X	X
Roll exchanges			X