



BalaguerRolls
High Quality Centrifugally Cast Rolls

OFT
OPTICAL FLUTING TEST



NEW

OPTICAL FLUTING TEST 4.0

The Optical Fluting Test is the world's only device able to check rolls profiles by optical vision without roll contact.

The millers get a certificate which will show the existing fluting profile of a specific roll, in order to help them to take the decision of changing the rolls at the most suitable and cost-effective time.

Artificial vision system without contact

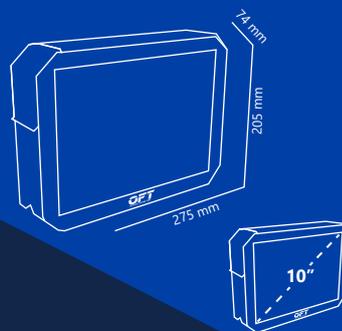
Accuracy as never seen before

MAIN FEATURES

-  Faster algorithm. Improved and more precise wear out analysis.
-  Flute contour detection on OFT
-  Faster measurement and image adquisition
-  Excellent accuracy in all type of flutes
-  Bigger and better quality screen
-  Longer market availability
-  Easier to use. Interface improved
-  Totally portable

NEW FEATURES

-  **MULTIPLE SHOOT**
Multiple pictures are taken at once for optimal image resolution
-  **AUTOMATIC CONTOUR DETECTION**
Effortless placement of measuring points
-  **FULLY AUTONOMUS DEVICE**
No laptop needed. Just by pressing the button the wear out is calculated.
-  **AUTOMATIC RECOVERY OF THEORETICAL DATA**
When entering a roll, if it has already been analyzed, all the theoretical data is automatically loaded, which avoids having to enter it again.
-  **ROLL HISTORY DISPLAY**
When a cylinder number is entered, the history of all measurements made on that roll automatically appears



Accuracy as never seen before

Purpose of the device

It is an optical measuring device that allows us to quickly and accurately check the state of the flutes in the roll.

Fluting parameters with a 2.2μ accuracy in dimensional measurements and a ± 0.01 accuracy in angle measurements can be obtained.

Advanced measurement

Accurate measurement of the flutes shape recorded without having contact with the roll surface, being safe and easy to use and transport as well as much more accurate than other existing devices such as magnifying glass or profilometer.

Measurements taken

The Optical Fluting Test enables the operator to measure the following elements of a roll profile: **pitch, land, radius, dull angle, sharp angle and wearout.**

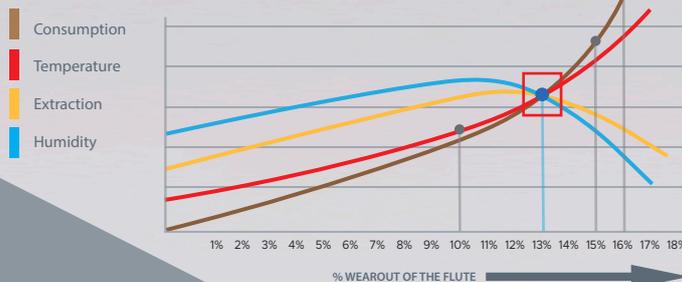
Discover more on: www.balaguer-rolls.com



NEW



Change the rolls at the most effective time



MAIN BENEFITS

- Tells millers when to change or refile the rolls.
- Makes management easier to plan future needs of rolls.
- Reduces time of the mill maintenance period.
- Gives more efficiency in the use of rolls information, and accuracy for grinding of wheat.
- Increases the safety of the mills by knowing the state of the flutes in the roll.

