



TC 700

Inspection unit Turbo Check 700

TC 700

The Loroch TC 700 allows precision measurement of all the key data of HSS circular saw blades, which can then be saved with the relevant images, printed out or sent direct by e-mail.

The measuring principle is similar to that of a conventional profile projector except that measurements can be conducted with either transmitted or reflected light.

What's more, the camera can be swivelled to allow measurements in other planes. Measurements are performed with 20x/30x/60x magnification, either in transmitted mode (as in a profile projector) or incident mode. The maximum adjustable display detail is 14 x 8 mm (w x h) within 20 times magnification.

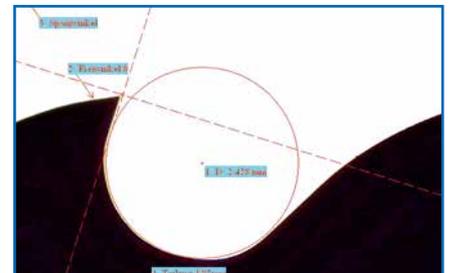
This measuring and documentation system is configured for a saw blade diameter of approx. 40 – 700 mm.

Possible measurements include:

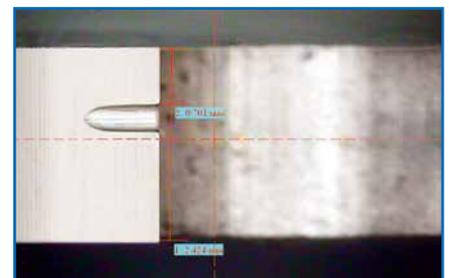
- ↙ Hook and clearance angle
- ↙ Tooth height, tooth height difference, tooth pitch, tooth gullet radius, etc.
- ↙ Chamfer angle and chamfer width
- ↙ Depth and length of chip breaker groove

The TC 700 consists of a mechanical adjusting device with a high-quality video unit, 2 separate lamps each for transmitted and reflected light measurements, a saw blade holding fixture, a Laptop unit (PC) with specially designed image processing software. The following languages can be selected by the operator: German, English, French, Italian, Spanish and Portuguese.

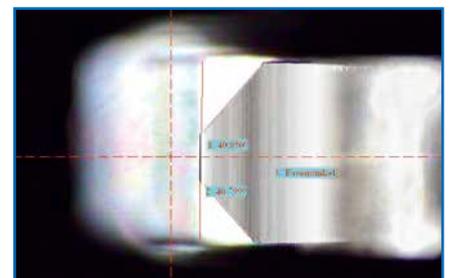
The Windows®-based image processing software is very easy to use, allowing the measured data to be saved directly in the image with accompanying notes. Alternatively, the images can be printed out in photographic quality or sent by e-mail.



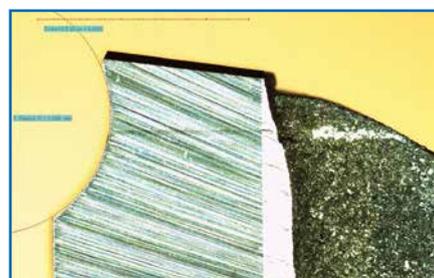
Inspection of tooth contour



Inspection of chip breaker groove



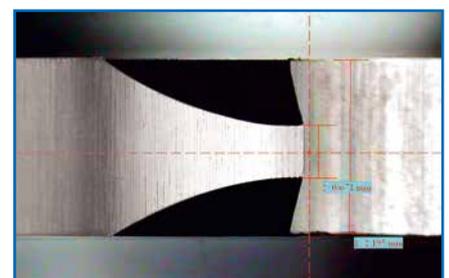
Inspection of chamfer angle



Inspection of chip breaker



Localizing cracks



Inspection of chamfer-width/-symmetry

Contact

Loroch GmbH
 Josef-Loroch-Str. 1
 69509 Mörlenbach, Germany

phone: +49 (0)6209 7159-50
 fax: +49 (0)6209 7159-38

e-mail: info@loroch.de
 web: www.loroch.de