Saw Blade Inspection

Zoller offers its »pomBasic« and »saw-Check« inspection machines.

The Zoller inspection device »pom-Basic« is a compact solution for universal tool inspection. The image processing software »pomSoft« measures any geometries of drills, milling cutters, countersinks – and now also saw blades.



Incident light saw check

Due to a specially developed holding fixture and a 90° vertical and horizontal swivel axis, all the parameters of a saw blade can be quickly measured - just in-



»pomBasic« for universal tool inspection

sert tool and select measuring parameters. With »sawCheck«, Zoller offers a solution for the fully automated measuring of saw blades fully with high precision and independent of operators. During inspection, parameters such as tooth shape, pitch, concentricity, axial run-out under transmitted light and effective cutting angle, draft angle, tooth thickness, offset or wear under incident light (radial/axial) can be checked contactless and quickly.

As an option, a measuring sensor can be used to determine the run-out of the saw body and this can be taken into account when measuring the parameters. "Measuring and inspecting saw blades, together with determining the wear prior to re-grinding, can provide a 20% increase in productivity in manufacturing operations," said a company spokesperson.

- Features of the »sawCheck«:
- Zoller image processing »pilot«Ergonomic operating elements
- Consistent use of branded prod-
- ucts
- Robust and workshop compat-

ible • Flexible adaptation to manufac-



The »pomBasic« measurement system

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- Protective housing and basic design. For more information contact: Zoller Inc.
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Software for 3-D Printing

EnvisionTEC, a manufacturer of proprietary 3-D rapid manufacturing solutions, has announced the newest iteration of Perfactory Software, Version 3.1.

A number of new features and improvements are available in this version, including a more streamlined user experience, unification between all EnvisionTEC 3-D printer families, upgraded support construction capabilities and integration with the 3D-Bioplotter.

"The previous version automatically added supports, which worked great for more casual users, but when specific designs came about that deviated from the norm, our engineers needed a much more finite level of control," said Dr. Carlos Carvalho, EnvisionTEC's 3D-Bioplotter Specialist.

Other changes are also readily apparent. "Most of our bioengineering customers need to create multiple parts grids. The new updates allow users to then arrange these arrays in both the X and Yaxes, and input the distance between parts. It is all organized onto one screen, and confirmed by using a mouse to click OK," continued Dr. Carvalho.

Another customer-requested update to the software is geared towards more serious users of EnvisionTEC machines. This new unified version of the software allows users to maintain their settings between different 3-D printers, saving both design time, and the output should they wish to switch between the varied functionality of the 3D-Bioplotter, the DLP machines and the 3SP machines.

For more information contact: EnvisionTEC, Inc. 15162 S. Commerce Dr. Dearborn, MI 48120 313-436-4300 www.evnsiontec.com