Perforex LC 3015

The 3D laser technology in the Perforex LC 3015 is ideally suited to the machining of stainless steel and sheet steel, as well as powder-coated metals such as enclosure doors, side panels etc. Spray-finished metal parts are cut without any visible paint damage or discolouration, even with delicate contours. What is more, there is no tarnishing of the cut edges when machining stainless steel. The Perforex LC 3015 is cost-effective from machining volumes of around 150 stainless steel enclosures or 300 sheet steel enclosures per annum!

- Machining of material thicknesses up to 3 mm
- Machining range 2,300 mm x 1,280 mm x 850 mm for product ranges from AE to TS 8
- Machining of cubes on all sides
- Machining speed approx. 550 mm/min
- Clean, non-wearing cutting without cooling lubricant
- Contactless, low-vibration machining
- No need to clamp the workpieces

KIESLING

We automate the panel building.

- Machining
- Assembly
- Wiring
- Handling

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KIESLING

We automate the panel building.

▶ Innovations

- **EPLAN Data Portal interface**
- **Perforex Performance Package**
- **New Perforex BC 2014 HS**
- **Perforex LC 3015 laser centre**

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# Direct interface between Kiesling workshop programming and EPLAN data portal

Centralised data administration, synchronisation and supply:
By storing data for the various different processes in your company in one place, you can save time and money.

Standardised data:
Direct access to an ever-expanding volume of data kept up-to-date by the manufacturers will enhance your efficiency.

Consistent product development processes:
From electrical CAD through to production, use consistent, unambiguous data from a single source.
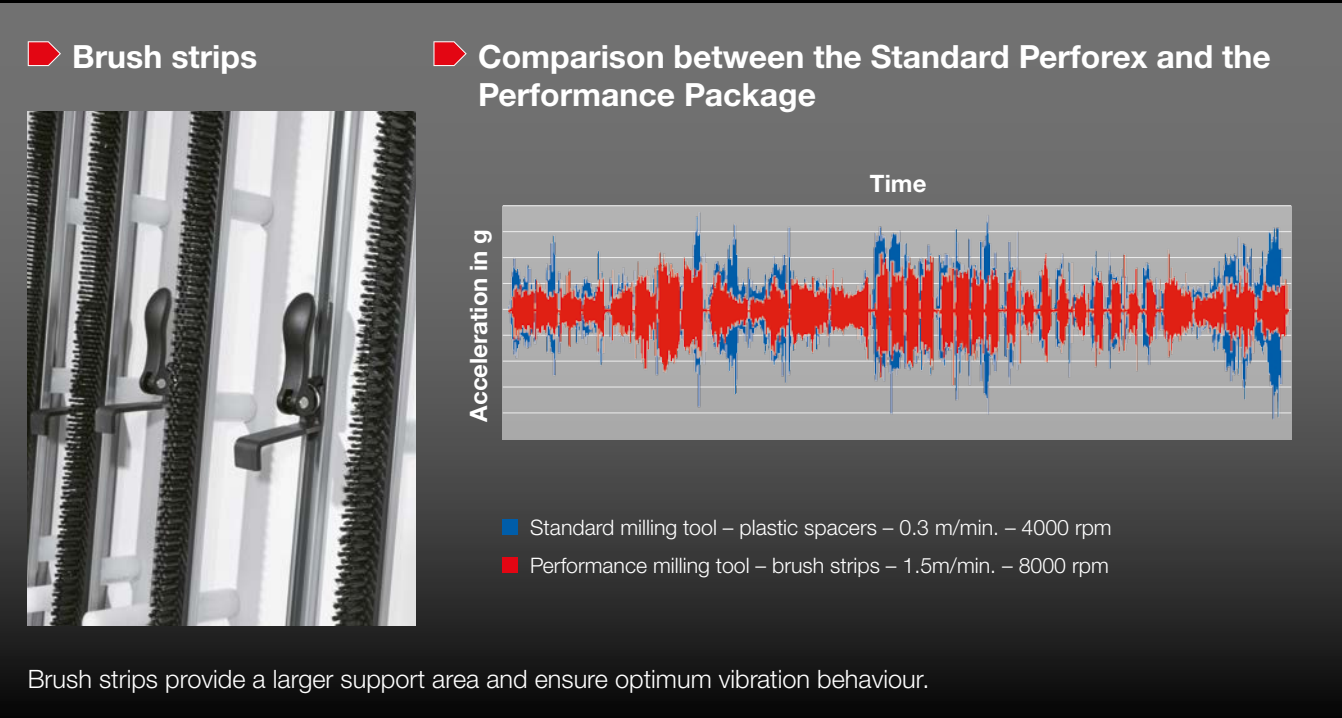
Migration-compatible interfaces:
Using a shared platform for component data ensures the future usability of your data.

A milestone en route to Industry 4.0!

▷ EPLAN Data Portal

▷ Kiesling workshop programming

Component data
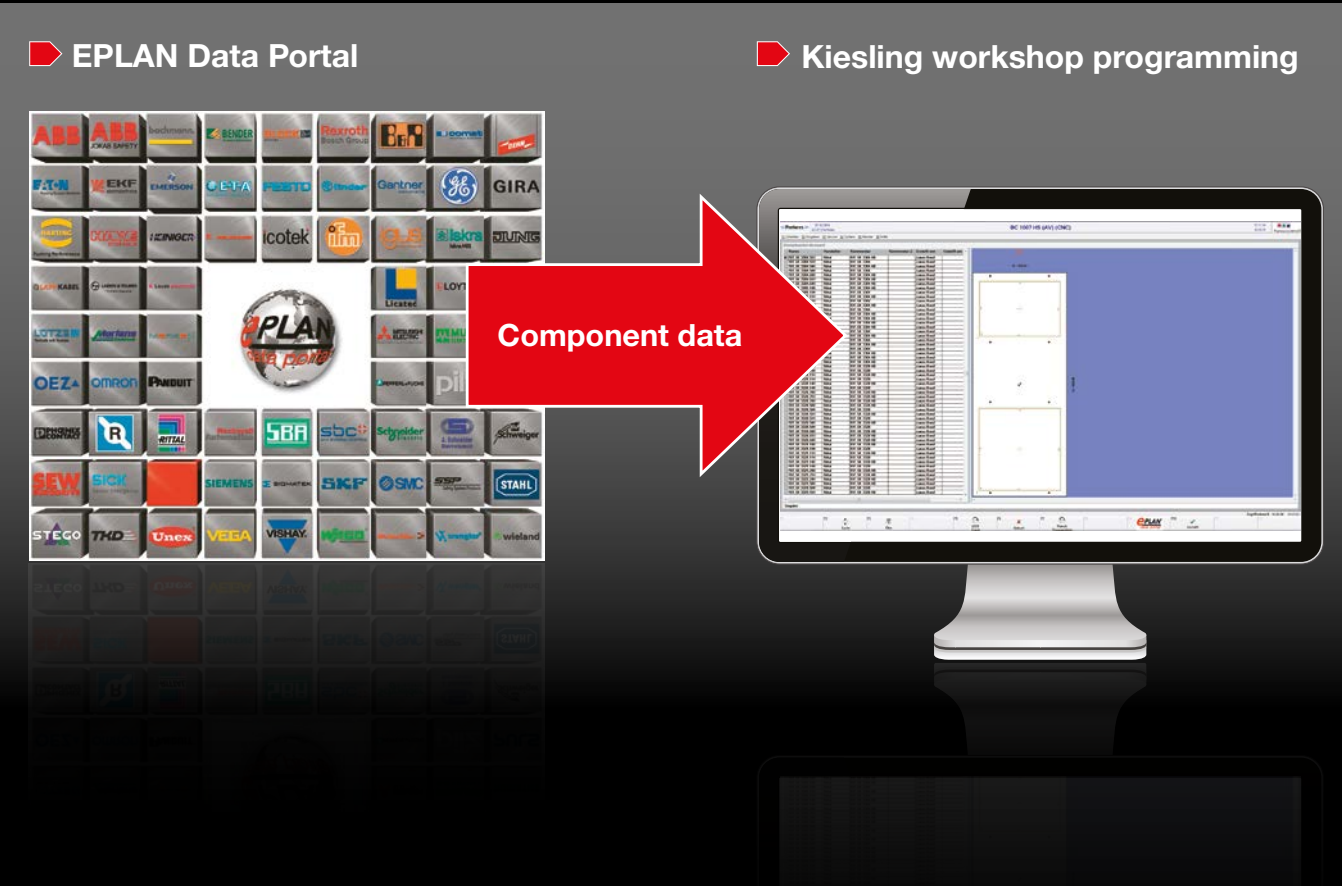
Perforex Performance Package

Reduced vibration:
The use of brush strips raises the contact surface of the workpiece, thereby significantly reducing the occurrence of vibrations.

Higher feed speeds:
Reduced vibrations in conjunction with optimised tools means that cutting speeds are several times faster.

Reduced noise emission:
Machining materials with surface contact via brush strips inhibits the natural oscillation of the workpieces, which in turn helps to minimise noise emissions.

Longer tool service lives:
The avoidance of peak loadings on the tools caused by vibrations of the workpieces lengthens their service life by up to 400%.

Optimised handling for the workpiece clamping:
Because the moving of the spacers for differently sized workpieces is avoided, the handling for the workpiece clamping is optimised.

Special software parameters:
Use of the Performance Package is supported by the implementation of new software parameters.

▷ Brush strips

▷ Comparison between the Standard Perforex and the Performance Package

Time

Acceleration in g

■ Standard milling tool – plastic spacers – 0.3 m/min. – 4000 rpm
■ Performance milling tool – brush strips – 1.5m/min. – 8000 rpm

Brush strips provide a larger support area and ensure optimum vibration behaviour.

Perforex BC 2014 HS

The Perforex BC 2014 HS is an extension to the Perforex range of machine tools and comes in a new, larger size. It is available as a single-door or two-door variant which supports the machining of fully welded enclosures up to a size of WHD 2290 x 2300 x 2200 mm. It is also ideal for machining enclosure panels up to a height of 2300 mm, which may be lined up adjacent to one another with a maximum width of 3600 mm and machined simultaneously. It is cost-effective from machining volumes of around 150 enclosures per annum. When combined with the optionally available Performance Package, process operations and cost-effectiveness may be further enhanced.

- Gantry drive for optimum precision when traversing the portal in the X axis
- Movable 20-station tool changer, with optional upgrade to 40 tools
- Available as single-door or two-door variant
- Significantly faster than comparable machines when combined with the Performance Package

3160 mm

4250 mm

2410 mm

5900 mm