

LATEST KADIA BRUSH DEBURRING SYSTEM NOW AVAILABLE FROM EUROPEAN PRECISION MACHINES



Published: 11/03/2019

Kadia Produktion has introduced a standard brush-based machine for the deburring of complex engine components such as crankshafts and camshafts. The EC Brush is available via UK agent European Precision Machines.

EC-Brush has five programmable axes, each with a rotary drive providing right/left rotation for the brush and the workpiece. The component is clamped against a point in a 3-jaw chuck, with the brush rotating at about 500 rpm, and the part at 30 rpm.

Linear axes also provide the brush's back/forward and lateral oscillation movement, and a traversing range for the centre. The latter enables different crankshaft/camshaft lengths to be clamped, so that any variant for 3- to 6-cylinder engines (for passenger cars or small commercial vehicles) can be deburred in any desired succession. Loading and unloading can be carried out manually, semi-automatically or fully automatically to suit requirements.

At the heart of the machine is the brush, which is equipped with long and short fibres made of abrasive nylon. Only one operation is required, as the shaft is completely immersed in the brush. The long fibres reach from the cheeks up to the connecting rod bearings, while the short fibres deburr the main bearings area. Particles and flaky burrs, which typically occur during drilling or grinding, are reliably removed, says Kadia. A choice of fibre type allows adaptation to the component material. EC-Brush also permits wet machining.

Author: [Steed Webzell](#)

Related Companies

[KADIA Produktion GmbH + Co](#)

Supporting Information

This material is protected by MA Business copyright

[Click here to see our Terms and Conditions](#)

One-off usage is permitted but bulk copying is not.

For multiple copies contact the [sales team](#).

MACHINERY