



## Efficient and multi-axle deburring of complex forms 3D-trimming, drilling or milling

DS integrated with its shuttle- or round table provides high throughput in any demanding deburring process of complex forms or geometries.

### Further advantages of DS integrated:

- ✓ High throughput
- ✓ Shuttle table or optionally round table
- ✓ Meets increased safety demands by completely closed work space
- ✓ Integrated 2-jaw-chuck
- ✓ Optional additional rotary axis
- ✓ Optionally tool or workpiece movable
- ✓ Integrable into automation lines
- ✓ Fully automated processing

Today's manufacturing structures are more than ever subject to high quality demands. Manufacturing structures, becoming more and more complex, require adequate, contemporary processing. With these considerations in mind, gkteso has developed the Deburring System DS integrated.

The sophisticated 5-axis deburring cell processes complex forms and geometries multi-dimensionally and automatically. With the application of an additional selective shuttle- or round table, all tasks will be met efficiently and at a high level. The throughput will be significantly increased by utilizing these additional features. As further option, the deburring cell by gkteso may be equipped with an additional rotary axis.

The DS integrated model not only grinds or mills edges. Also simple drilling works are possible, ensuring smooth further processing. Moreover, this deburring cell suggests itself for 3D-trimming or may be applied after deep-drawing processes in order to post-process the produced plastic components.

Deburring cells are utilized in numerous industries. The system is particularly valued by companies in the aerospace industry as well as the automotive and supplier industry.

# Technology solution with high quality demand

## **Efficient and professional deburring with DS integrated by gKteso**



During deburring, the workpiece to be processed is, for example, mounted on the shuttle table and processed by brushing, grinding or milling. Even complex components, such as cylinder heads, hydraulic blocks or pump housings will be deburred, due to the multi-axle features of the deburring cells by gKteso. Aside from workpieces made from steel, grey cast iron, aluminum, brass or bronze, also plastic components produced through deep-drawing processes may be treated.

### **Technical Data**

Control	Bosch-Rexroth
Work space	500 x 500 x 300 mm
Total size	2000 x 1800 x 2900 mm
Maximum velocity	1 m/s
Repetition accuracy	0.05 mm
Path accuracy	0.1 mm