

Why BURKHARDT+WEBER? –

Because cutting Titanium and it's alloys fit our machines and methods like a glove.

BURKHARDT+WEBER – A first rated source for precision machining of tough cutting materials since 1888.

In the past the machining of hard materials were in particular found in engine and power generation, oil & Gas industries, and many other industries outside the aerospace industries. BURKHARDT+WEBER is serving these markets since the beginnings, 130 years ago. With titanium and other hard material consumption increasing rapidly by the latest aerospace advances, they also find a perfect fit in the aerospace industries today.

Furthermore, dynamic and speed paired with extreme rigidity and more precision than the typical aircraft part, that what the hard metal chip cutting market outside of yesterday's aerospace industries already is for decades. That are the markets where the BURKHARDT+WEBER name is top rated. Repeating sales for production and precision machining are the proof. These machines deliver too much for soft cutting materials. They delivered to much power. Cheaper concepts deliver enough of soft cutting materials. Today's aerospace demands have changed. Tough cutting materials are the rapid increasing requirement.

Next fact for BURKHARDT+WEBER is complete machining. This is a goal everywhere in the hard metal chip cutting market. For flexible high torque machining process the suppliers especially those which offer best productivity are few, because this market size is limited. Large Machine Tool Builders target the average spindle power footprint, the market with the high-volume machinery demand.

BURKHARDT+WEBER machines are above this market and target exclusively the toughest jobs, and in recent decades, this also incorporates 3-D machining uses in the typical steel type material machining industries

Why is BURKHARDT+WEBER leading in this top performance hard materials niche:

- CNC machine are adaptable and flexible to new ideas for upgradable chip cutting tasks and somewhat universal in what they can do. This often is addressed by the machine tool components doing the chip cutting. Taking a close look, this is not meeting the goal. Most spindle stoppages come from outside the cutting process. Not so with BURKHARDT+WEBER Machines and Methods. We engineer every detail.

- Peripheral components and related software limit the flexibility and cause most downtimes:
 - o Process automation capabilities are limited with the typical generic machines
 - o Cutting Tool changer and Tool handling
 - o Pallet Changer / Automation
 - o Tool Monitoring Capabilities
 - o Maintenance requiring little or no loss of cutting time
 - o Organized & Safe Work zone around the machine and especially for the operator
 - o Crash-Prevention and Protection
 - o Tools to shorten Cutting Process Start-up and Integration Times
 - o Elimination of Operator Interventions
 - o Quick In Process Inspections
 - o Chip and Swarf Disposal
 - o Parts ready for assembly

A customized BURKHARDT+WEBER machine – A series product or a special solution is a complete system, beyond precision, power and speed at the cutting tool.

At BURKHARDT+WEBER we believe that we offer the exceptional. The Best Money can buy.

And that is our goal – Expressed by our key features: Rigid. Precision. Customized. Digital

Theodor Sprenger, BW-LLC