

## 10 axes for more productivity and capacity

**Precise, exact, reliable:**

**Two new highlights from DMG provide unexpected added value**

### **DMC 80 U duoBLOCK**

**The new standard in 5-axis machining**

#### **Precision**

up to 30% improved part accuracy thanks to fully water-cooled feed drive

#### **Performance**

up to 30% more stiffness for maximum cutting performance

#### **Efficiency**

up to 30% less energy consumption thanks to smart, demand-based aggregates



These are only a few buzz words that come to mind when talking about the advantages of the new 5-axis machining centre, the **DMC 80 U, available in the stable duoBLOCK design**. And don't forget the high cutting performance and maximum precision with high dynamics.

duoBLOCK is the best there is, when working with hard-to-cut materials and for top-quality surfaces in tool and mould construction. A fast rotating pallet changer for set-up during production and a fast chain magazine with a tool-changing speed of 0.5 seconds and up to 63 tools with a minimum base area complete the package.

The DMC 80 U also comes with DMG's newly developed CELOS control. CELOS lets the user comprehensively manage, document and depict order, process and machine data.



DMG MORI is planning to use the control, which features an innovative touchpad and icon-supported and controlled user interface, for all of its new high-tech machines. With this new product, DMG has optimized the interaction between man and machine while making it possible for users to operate different machine models intuitively.

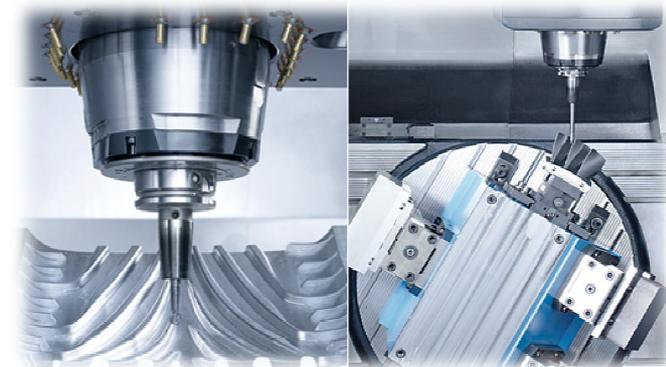
## **DMU 70 ecoline**

### **The perfect combination of functionality and technology for precise 5-side machining**

Mit der **DMU 70 ecoline** bietet HA-BE ein weiteres hochgenaues 5-Seiten-Bearbeitungszentrum aus dem Hause DMG. Preisbewusste und qualitätsorientierte Kunden haben damit ab sofort bei HA-BE die Möglichkeit auch größere Bauteile 5-seitig zu bearbeiten: Die DMU 70 ecoline bietet **Verfahrwege von 750 x 600 x 520 mm in X / Y / Z**.

The **DMU 70 ecoline** is another DMG high-precision 5-side machining centre available at HA-BE. This will now give customers conscious of price and quality the opportunity at HA-BE to machine larger components from 5 sides: The DMU 70 ecoline comes with **traverses of 750 x 600 x 520 mm on X / Y / Z**.

The NC swivel rotary table, with a swivelling range of -10° to +95°, has a work-piece mounting surface of  $\varnothing$  800 x 620 mm and can be loaded with up to 350 kg. It also comes with digital drives and a hydraulic clamp table. The 12,000 rpm spindle and rapid traverses of 24 m/min on the linear axes guarantee impressive power characteristics, while the tool chain magazine with 32 SK40 slots and a rapid double gripper provides the necessary flexibility.



When it comes to versatility, the DMU 70 ecoline also improves the quality of the training we provide. We offer our trainees the unique opportunity to get familiar with and learn to use 5-axis milling machines already in their 3rd year of training at HA-BE. This opportunity is yet another indication of how important extensive, high-quality training programs are at HA-BE.

In addition to our training programs, prototyping processes also benefit from the addition of the DMU 70 ecoline. We are planning to use the additional capacities to meet our cus-

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tomers' prototyping demands and requests even faster, more efficiently and with greater precision and to improve our performance in this area.

## Summary

Because we use high-performance DMG machines in our production, HA-BE is able to complete orders basically on-demand. These machines let us use our capacities where we need them. Our assembly area is provided with material without delay and **we are able to respond fast and flexibly to order changes** within just a few days. What's more, we no longer need to maintain extra warehouse capacities and are able to further optimize our delivery performance.

Now that this implementation phase has been completed, HA-BE is even more productive and flexible than ever before.