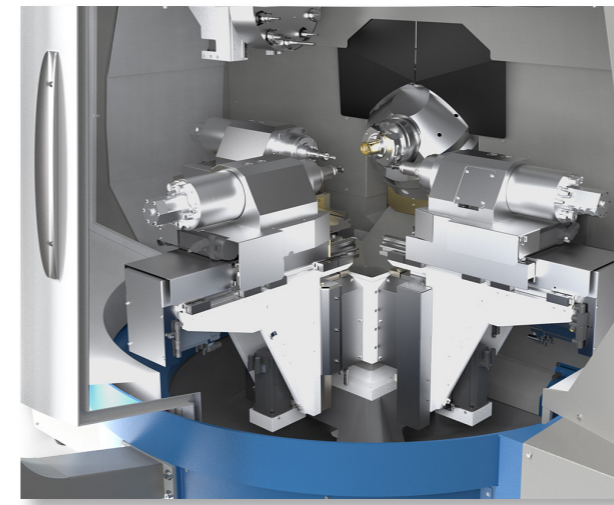


imo-flex

The *imo-flex* rearranges proven kinematics. The manageable solution for smaller batch sizes with up to 80 tools!

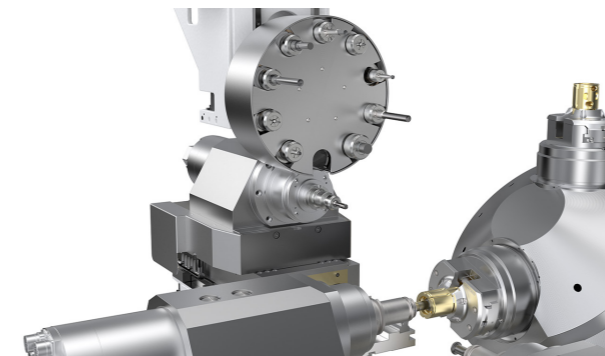


Interior view with 3 machining units

Up to three machining-adapted 3-axis units (E-97-CNC or E-90-CNC) with horizontal main spindles are arranged around a workpiece carrier.

The workpiece carrier is moved to the working space via the swivel table. There, it can be indexed or rotated via the C-axis.

The machining units can work on the workpiece simultaneously. This yields a significantly higher level of productivity compared to conventional machining processes.

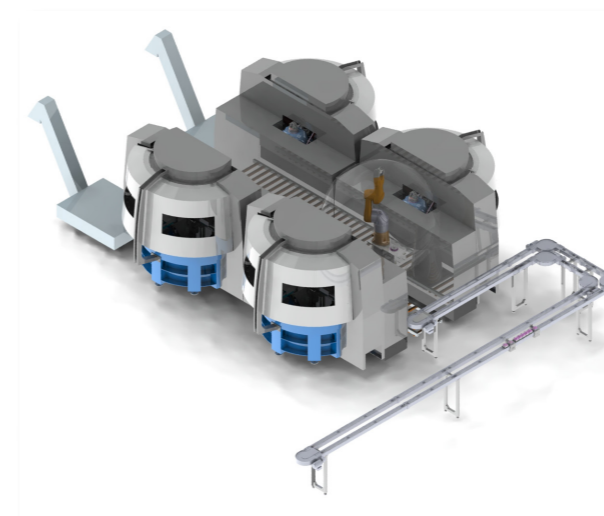


Machining unit with tool changer

The tool changer allows up to 10 tools to be made rapidly available to each machining unit.

If required, the system can also be supplemented with a tool magazine boasting 50 tools.

This can be used for the implementation of chaotic production or the storage of additional tools for work during „unmanned shifts“.



Arrangement example

The imo-flex and its interfaces are designed in such a way that several machines are able to be flexibly linked to one another.

This allows additional units or loading/unloading robots to be used multiple times.

Reap the benefits of eco-friendly production now!

TECHNICAL DATA

Number of stations:	up to 3 machining units	Number of main spindles:	up to 3 spindles (HSK-25 to HSK-63)
C-axis:		Number of tools per station:	
- Axis acceleration:	150 U/s ²	- Tool changer	10 pcs
- Holding torque:	up to 120 Nm (optional)	- Tool magazine	18 pcs (optional)
- Repeatability:	±1 µm on a Ø of 50 mm		
Swivel table:	< 2 sec.	Tool change time:	approx. 2.5 sec.
Loading/Unloading:	the workpiece carrier automatic	Dimensions:	3'000 x 2'400, Height 2'200 mm
Workpiece size:	up to approx. 150 x 150 x 150 mm	Required floor loading:	min. 1'000 kg/m ²