



RASOMA



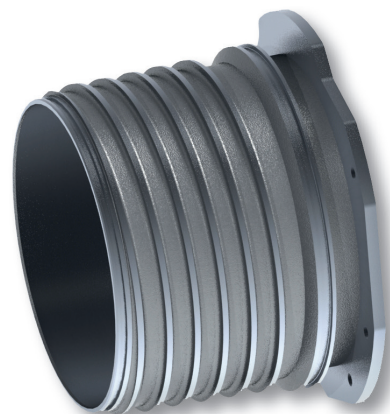
MACHINING OF STATOR HOUSINGS

INTERNAL & EXTERNAL SIMULTANEOUS MACHINING

APPLICATION AREAS

Pot-shaped and tubular, thin-walled workpieces are machined inside and outside simultaneously in record time with this process. Several diameter increments are mapped with the tools in multiple cutting edges, so that up to four times the feed rate is possible compared to single cutting edge feed. The turning contour is imaged on the rotating workpiece on the inside with a multi-bladed, driven tool and on the outside with a stationary tool.

In the combination of internal and external machining of the patented process, the machining time can be reduced to 1/8 compared to turning. With a multi-bladed finishing of the inner diameters, a main time reduction for stator housing machining is possible to 1/5 compared to a classical turning operation.



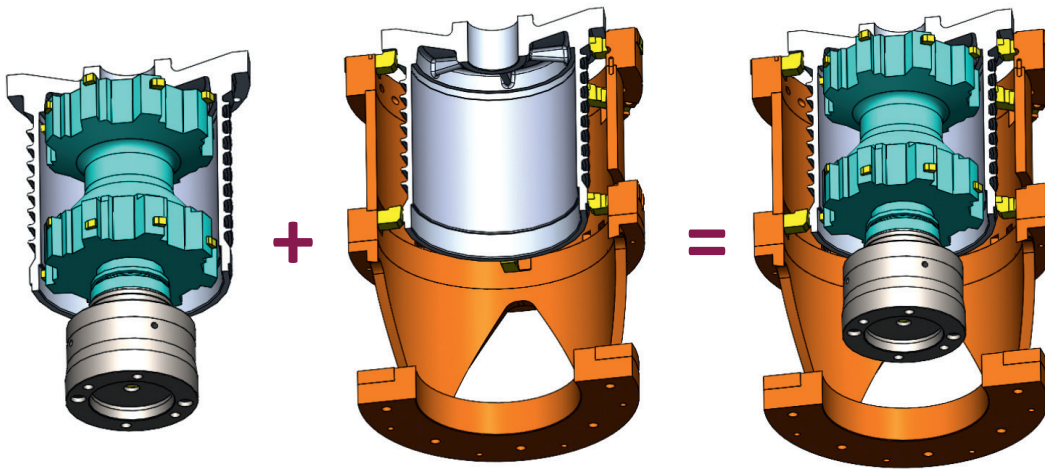


➤ ADDED VALUE

With inside and outside simultaneous machining, a huge increase in the productivity of the cutting operation to produce the workpiece geometry is achieved.

Elaborate vibration dampers at the clamping device for thin-walled workpieces are not required. High pressures for the clamping forces of the workpiece are no longer necessary.

The process reduces the necessary clamping torque of the workpiece in the clamping device due to the counteracting cutting forces from internal to external machining. The tendency of the driven workpiece to vibrate is reduced by the internal machining taking place in synchronism and the static external tool. Complexity and thus the costs of the clamping device are significantly reduced.



**8x faster
processing**



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MACHINE TOOL MANUFACTURING

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