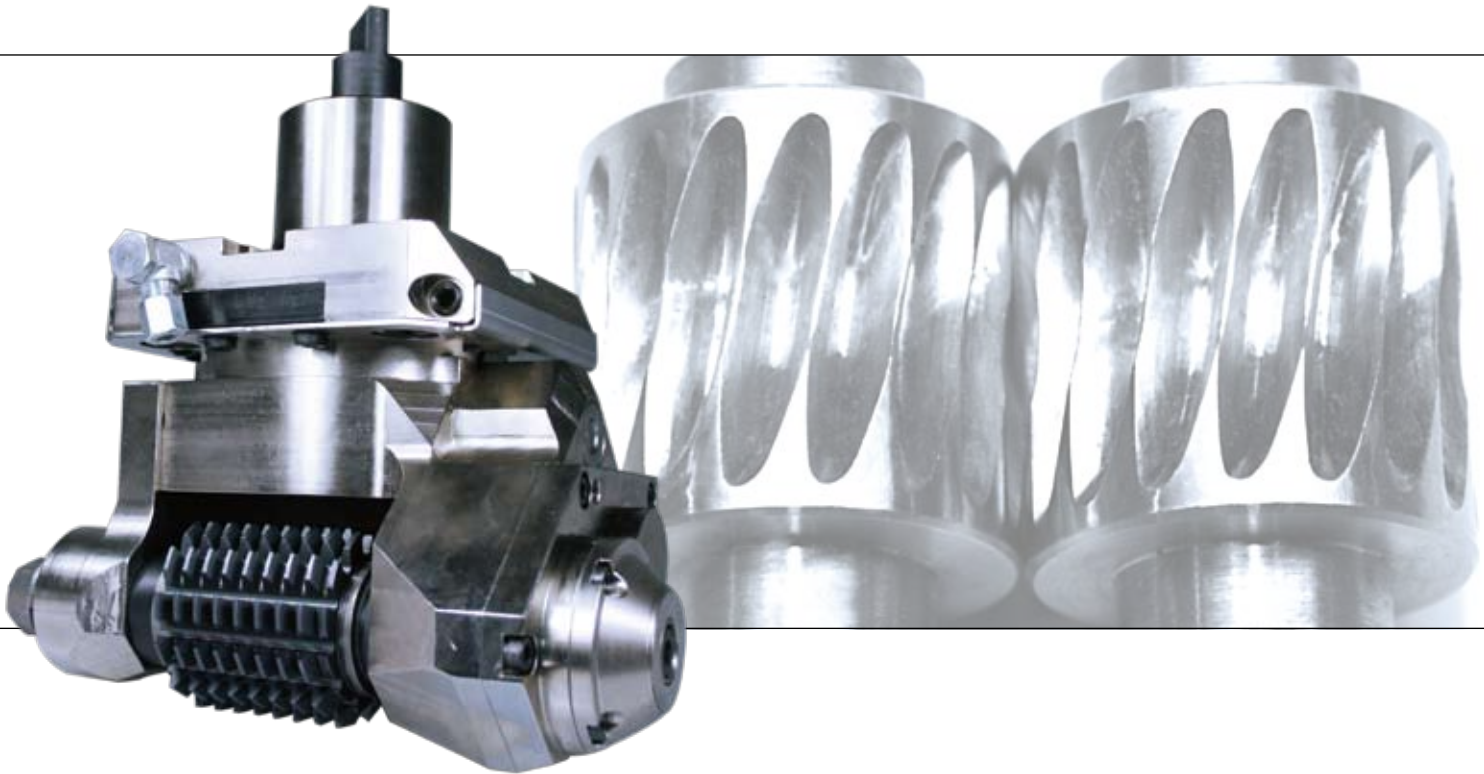


NEW

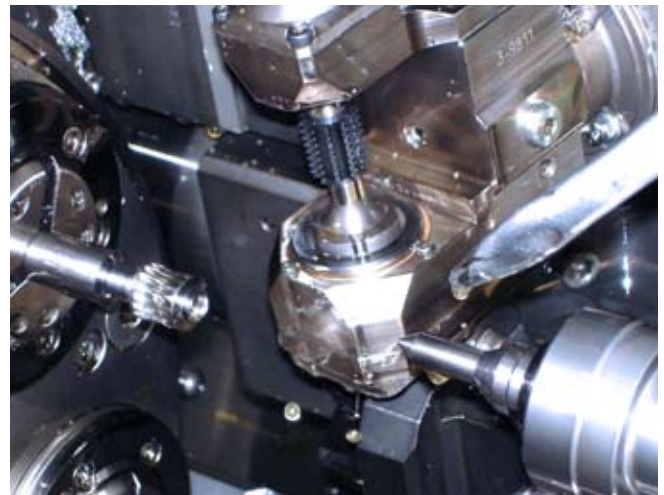
# Hobbing Cutter

## Machining of external gear teeth on a turret lathe



### Advantages:

- Extremely stable tapered roller bearings and an additional support flange guarantee a fast and precise working process
- $\pm 30^\circ$  adjustable angle – production of helical gears possible
- Due to the precise alignment of the bearings and gears, a quality part up to scale '7' can be obtained according to DIN 6360 standards
- Can be run at a maximum of 1000 rpm to 4000 rpm
- Gear ratio: 1:1 up to 1:3
- Torque and cutter diameter are machine-dependent
- Milling arbors of  $\varnothing 13$  to  $\varnothing 27$  are available
- Maintenance free with a lifetime grease lubrication system.



BENZ reference customer:  
IMS Gear GmbH from Donaueschingen | Germany

Application: helical gear cut spindle nuts

- Tool life extended by 20% and processing time reduced by 20 %
- Gear ratio: 1:1
- Max. rpm: 4000 min<sup>-1</sup>
- Torque: 30 Nm

