

**NEW!**



## Advanced Solutions for Gear Milling Applications



# Advanced Technologies to Manufacture Splines and Gears

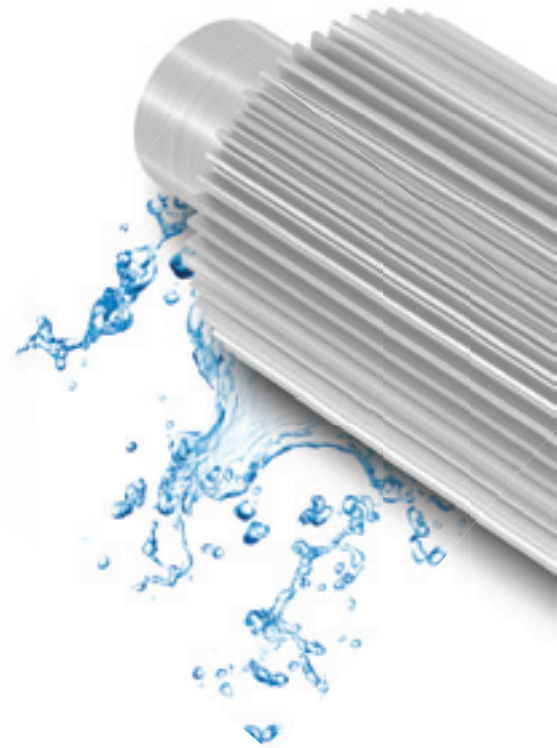
## An Indexable Cutting Tool to Mill Straight and Helical Teeth Gears

### Advantages:

- Suitable for medium batch size spline and gear manufacturing
- Faster, simpler, easier to use and much more economical than existing HSS/HSS PM cutters
- Absolute Price/Performance advantage over existing technology
- State-of-the-art design of PVD coated fine substrate carbide

### Features:

- One body for a wide range of profile inserts
- Change inserts or cutting edges "on the spindle" while keeping accuracy and minimizing set-up time
- Unparalleled throughput, while machining at high speeds
- Significantly longer tool life
- Machine all kinds of materials, from very soft to hardened steels (<60 HRc)
- Machine gears in standard CNC 4 axes and/or CNC hobbing machines with simple programming
- Roughing and finishing with the same tools
- 1- 3 cutting edges per insert, no need to regrind
- High accuracy up to class 7 (see DIN 3962) or class 11 (see AGMA 390.03)
- Suitable to machine straight and helical teeth gears
- Covering Gear Modules from 1 up to 6 mm.



### Cutting Conditions:

	Roughing				Finishing			
	Speed		Feed		Speed		Feed	
	m/min	SFM	mm/tooth	inch/tooth	m/min	SFM	mm/tooth	inch/tooth
<b>Soft Steels &lt;28 HRc</b>	180	590	0.35	0.0140	240	790	0.12	0.0047
<b>Medium Steels &lt;45 HRc</b>	120	400	0.20	0.0080	170	560	0.12	0.0047
<b>Hardened Steels &lt;60 HRc</b>	35	120	0.05	0.0020	50	165	0.04	0.0015