

# ARTIS PRODUCTS

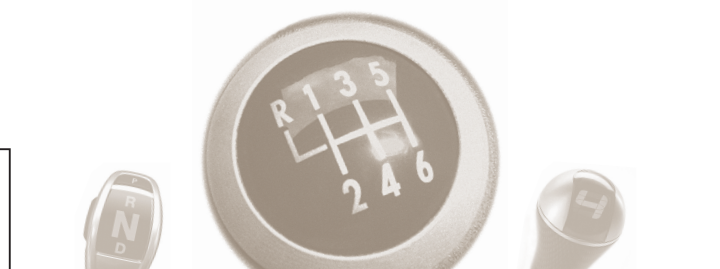
>> THREE WAYS TO ENSURE  
PROCESS RELIABILITY  
IN MACHINE TOOLS.



>> The fully automatic  
solution

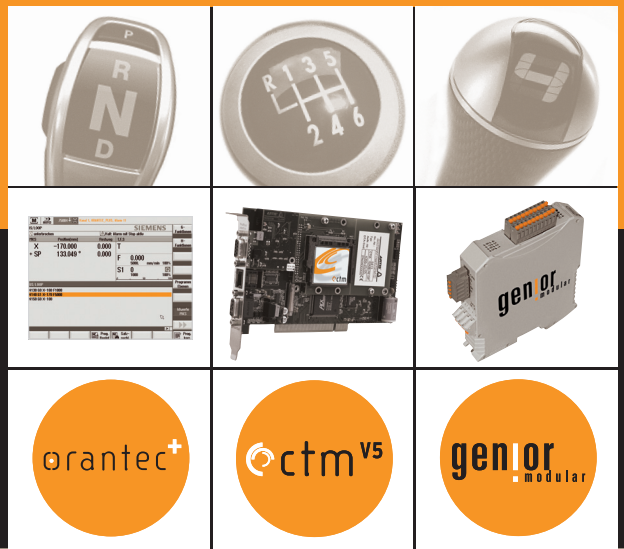


>> Performance with a  
multitude of options



>> The cost-effective  
basic solution





# PRODUCT MATRIX / PRODUCT COMPARISON

<b>Application</b>	Monitoring of tool breakage and missing tools	X	X	X
	Process control - Adaptive Control (AC)		X	X
	Wear monitoring		X	X
	Machine condition monitoring		X	
	Collision monitoring		X	
	Monitoring dressing, hob milling		X	
	Thread monitoring		X	X
	Thread gauges		X	
	Series production (>10 items)	X	X	X
	Single item production, small batch sizes		X	
	Small tools <3 mm		X	X
	Adaptation to complex manufacturing processes		X	
<b>Operation</b>	No parameterization by the operator			X
	Minor to complex parameterization needed	X	X	
<b>Visualization</b>	Visualization		X	
	Statistics		X	
<b>Integration</b>	Software solution without additional hardware components	X		
	For open control with PCI slot		X	
	Top hat rail installation			X
	Profibus connection		X	X
	External sensors		X	X
	Retrofittings		X	X
<b>Controls</b>	Siemens 840D Powerline and Solution Line	X	X	X
	Bosch Rexroth, Fidia, Fanuc, Heidenhain		X	
	Beckhoff		X	
<b>Characteristics</b>	Maximum number of channels per system	= NC channels	4	4
	Up to 10 tools	X	X	X
	More than 10 tools		X	X
<b>Sensors</b>	Digital torques	X	X	X
	True power, acoustic emission, force		X	X
	Coolant flow		X	X
	Vibrations, acceleration		X	X
	Tool holder with torque/force		X	
	External sensors with +-0..10V		X	X
	External sensors with 0/4..20mA			X
	MARPOSS laser		X	

Subject to change without notice. The information provides a general description of our products.

It does not provide information on the condition of the products or a guarantee in terms of §§ 434/443 of the German Civil Code and accepts no liability.