

LATHE - FUNCTIONALITY & TECHNICAL FEATURES OVERVIEW CHART

	Essential	Core	Advanced	Professional
	G3/G3 Touch	G3/G3 Touch	G3/G3 Touch	G3/G3 Touch
GENERAL FEATURES				
2 Axis motion control	✓	✓	✓	✓
Tools & Workoffsets	✓	✓	✓	✓
Tools available from 1 to 100	✓	✓	✓	✓
Workoffsets from G54 to G59	✓	✓	✓	✓
Parking offset		✓	✓	✓
Conversational routines	✓	✓	✓	✓
Inputs / Outputs	✓	✓	✓	✓
Cycle Start (INPUT)	✓	✓	✓	✓
Feed Hold (INPUT)	✓	✓	✓	✓
Gcode Rewind (INPUT)	✓	✓	✓	✓
Parking Offset		✓	✓	✓
MPG support		✓	✓	✓
Wi-Fi for MASSO Link, Cloud and Phone App		✓	✓	✓
Spindle RPM control (VFD, PWM & STEP)		✓	✓	✓
Spindle Coolant Flow Alarm (INPUT)		✓	✓	✓
Spindle Coolant Pulses Alarm (INPUT)		✓	✓	✓
Spindle Motor Alarm (INPUT)		✓	✓	✓
Spindle VFD Run Status (INPUT)		✓	✓	✓
<i>Note: when this feature is not available system will only execute M3, M4 & M5 commands, S command will be ignored</i>				
Chuck Clamp		✓	✓	✓
Chuck Clamp (OUTPUT)		✓	✓	✓
Chuck Clamp/Unclamp (INPUT)		✓	✓	✓
Door Control		✓	✓	✓
Door Open/Close (OUTPUT)		✓	✓	✓
Door Sensor (INPUT)		✓	✓	✓
Door Open/Close (INPUT)		✓	✓	✓
Motor feedback signals for closed loop		✓	✓	✓
X, Y, C Motor Alarm (INPUT)		✓	✓	✓
Manual tool change		✓	✓	✓
Manual tool load		✓	✓	✓
<i>Note: when this feature is not available Tool change command T and M6 will be ignored and machine will stop</i>				
3 Axis motion control with Spindle C axis control			✓	✓
Extended Tools & Workoffsets			✓	✓
Alarms			✓	✓
Sounder (OUTPUT)			✓	✓
Air Pressure Low Alarm (INPUT)			✓	✓
Automatic Tool Changers			✓	✓
Tool Changer (INPUT & OUTPUT)			✓	✓
Advanced Inputs / Outputs (AUX)			✓	✓
Autoload G-Code (1, 2, 3, 4, 5, 6) Inputs			✓	✓
Auxiliary Output (1 to 16) (OUTPUT)			✓	✓
Auxiliary Input (1 to 16) (INPUT)			✓	✓
Auxiliary Output (1-6) Toggle (INPUT)			✓	✓
Go to Home Machine (INPUT)			✓	✓
Go to Parking Position (INPUT)			✓	✓
Home Machine (INPUT)			✓	✓
Axis Jog/Rapid (INPUT)			✓	✓
Jog/Rapid Mode (INPUT)			✓	✓
Coolant Control			✓	✓
Coolant Flood (OUTPUT)			✓	✓
Coolant Mist (OUTPUT)			✓	✓
Coolant Flood On Input (INPUT)			✓	✓
Coolant Mist & Flood Off (INPUT)			✓	✓
Coolant Mist On Input (INPUT)			✓	✓
Lubrication Control			✓	✓

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GENERAL FEATURES				
Lubrication (OUTPUT)			✓	✓
Lubricant Alarm (INPUT)			✓	✓
QR Scanner Support			✓	✓
S-curve Acceleration			✓	✓
Multipass synchronized Threading				✓
Note: when this feature is not avilable the gcodes will be skipped				
Macro (LUA)				✓