

# PRODUMAX KIT LIST

## Machine Tools

Produmax use Edgecam CAD/CAM offline programming software verified by Vericut - off line machine simulation to enable fast prototyping, rapid and accurate quotations and ensure program safety pre machining to reduce downtime

Model	Details	Qty	Automation
DECKEL MAHO DMU 60 EVO 	5 -Axis Simultaneous Mill/Turn Machine Travel (mm): X=600, Y=500, Z=500 Max Spindle Speed: 18,000 Rev min-1 Max Table Load: 400 Kg Table Work Surface (mm): 600x500 Full on machine probing capability	1	
DMG MORI NMV 3000 	34 pallet Vertical 5 axis Mill/Turn Machine Travel (mm): X=500, Y=350, Z=510 Max Spindle Speed: 12,000 rpm Max Table Rotation Speed: 2,000 rpm Max Workpiece Size (mm): Ø350x300 Full on machine probing capability	1	34 pallet multi load options with unmanned lights out machining
DECKEL MAHO DMU 60P DUOBLOCK 	5-Axis Machining Travel (mm): X=600, Y=700, Z=600 Max Spindle Speed: 12,000 Rev min-1 Max Table Load: 700 Kg Table Work Surface (mm): Ø630 Full on machine probing capability	1	




Model	Details	Qty	Automation
MORI SEIKI NMV 5000	 <p>Vertical 5 axis Mill/Turn Machine  Travel (mm): X=730, Y=510, Z=510  C-Axis Rotation: 360°  Max Spindle Speed: 12,000 Rev min-1  Max Table Rotation Speed: 1,200 rpm  Max Workpiece Size (mm): 700x450  Max Table Load (Kg): 300  Full on machine probing capability</p>	1	
DMG DMU 50 EVO LINEAR	 <p>5-Axis Machine  Travel (mm): X=650, Y=520, Z=475  Max Spindle Speed: 12,000 Rev min-1  Max Table Load: 300 Kg  Table Work Surface (mm): Ø630x300  Full on machine probing capability</p>	2	Lang automation up to 65 vice capacity for unmanned lights out machining on both
DECKEL MAHO DMU 70 EVOLUTION	 <p>5-Axis Machine  Travel (mm): X=750, Y=600, Z=520  Max Spindle Speed: 18,000 Rev min-1  Max Table Load: 350 Kg  Table Work Surface (mm): 700x500  Full on machine probing capability</p>	2	
DECKEL MAHO DMU 50	 <p>5 Axis Machine  Travel (mm): X=650, Y=420, Z=475  Max Spindle Speed: 10,000 Rev min-1  Table Work Surface (mm): Ø650x500  Full on machine probing capability</p>	1	


Model	Details	Qty	Automation
MORI SEIKI NHX 4000 	2 Pallet Horizontal Milling Machine Max Workpiece Size (Inch): 15.7x15.7 Max Spindle Speed: 12,000 Rev min-1 Max Pallet Load: 881lbs	1	2 pallet 4 face capability for unmanned lights out machining
MORI SEIKI MH-40 	Horizontal 4 axis CNC twin pallet Travel (mm): X=21"-25", Y= 16"-20", Z=16"-20" Max Spindle Speed: 10,000 Rev min-1	2	2 pallet 4 face capability for unmanned lights out machining
MORI SEIKI SH403 	Horizontal 4 axis CNC twin pallet Travel (Inch): X=22", Y= 20", Z=20" Pallet Size (Inch): 15.7" x 15.7" Max Pallet Load: 1,100 lbs Max Spindle Speed (Rpm): 12,000	1	2 pallet 4 face capability for unmanned lights out machining
DMG DMC 635V ECOLINE 	3.5-Axis Milling Machine Max Workpiece Size (Inch): x=24 y=17 z=12 Max Spindle Speed: 12,000 Rev min-1	1	

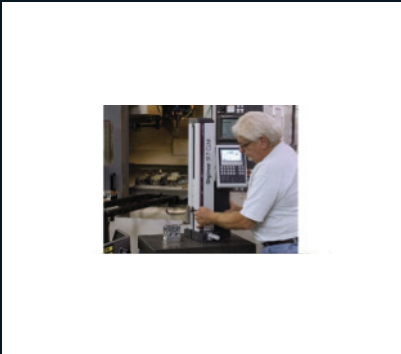
Model	Details	Qty	Automation
DECKEL MAHO DMC 635V 	3-Axis Vertical Machining Travel (Inch): X=25, Y=20.01, Z=18.1 Max Spindle Speed: 10,000 Rev min-1 Max Table Load: 1322lbs	1	
MORI SEIKI NVX 5100 	Vertical, 4-Axis Milling Machine Travel (mm): X=1050, Y=530, Z=510 Max Spindle Speed: 12,000 Rev min-1	1	
MORI SEIKI NLX 2500Y 	CNC Lathe with live tooling Travel (mm): X=260, Y= ±50, Z=795 Max Turning Diameter: 460mm Max Spindle Speed: 4,000 Rpm Bar Work Capacity (mm): 80 Max rotary tool spindle speed: 10,000 Rpm Full on machine probing capability	1	
NAKAMURA TOME WT150 II 	Twin spindle twin turret CNC lathe with Capto tooling Spindle Speed: 4,500 rpm Power Tooling: 6,000 rpm Max Bar Capacity: Ø70mm Ø200mm, 3 Jaw chuck	1	

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CITIZEN M325	8-Axis Sliding Head Max Bar Size 32mm Main Spindle Max Speed: 8,000 rpm Back Spindle Max Speed: 8,000 rpm Driven Tools on Turret Indexable Y on Turret allowing for off centre machining.	4	Bar Fed for overnight, unmanned running
CITIZEN M32	5-Axis Sliding Head Max bar size: 32mm All Spindles Max Speed: 8,000 rpm Gang Spindle Speed: 6,000 rpm Driven Tools on the Turret	1	Bar Fed for overnight, unmanned running
CITIZEN L20E	 5-Axis Sliding Head Features Rotary B-Axis Maximum Bar Size: 20mm Max Spindle Speed (for spindle 1): 10,000 rpm Max Spindle Speed (for spindle 2): 8,000 rpm GANG Spindles: 6,000 rpm Rotary Back Working: 7,500 rpm	1	Bar Fed for overnight, unmanned running
MORI SEIKI ZL-155M	Fixed Head, Twin Spindle Lathe C-Axis Present Bar Capacity: Ø42mm Max Spindle Speed: 6,000 rpm Max Sub-Spindle Speed: 4,000 rpm Live Tool Spindle Speed: 3,000 rpm	1	Bar Fed for overnight, unmanned running
NAKAMURA	 Fixed Head Single Spindle Lathe C-Axis Present Bar Capacity: Ø35 mm Main Spindle Speed: 6,000 rpm Live Tooling Speed: 2,000rpm	1	

Model	Details	Qty	Automation
JONES AND SHIPMAN ULTRAMAT 1000 CNC 	Universal CNC Grinder 1000mm between centres Grinding Capacity with Angle Head: 360mm B-Axis Wheel head Programmable to 0.001° Full on machine probing capability	1	
Mitutoyo Crysta Apex Coordinate Measuring Machine 	High accuracy CNC coordinate measuring machines capable of 1.7+3L/1000, using MCOSMOS software and TP20 & TP200 touch trigger modules. 2 X S574, size – X: 505mm. Y: 705mm. Z: 405mm	2	
Mitutoyo Crysta Apex Coordinate Measuring Machine 	High accuracy CNC coordinate measuring machines capable of 1.7+3L/1000, using MCOSMOS software and TP20 & TP200 touch trigger modules. 1 X S9106, size – X: 905mm. Y: 1005mm. Z: 605mm	1	

Model	Details	Qty	Automation
VICI MTL-1 Optical Measuring Equipment 	Optical measuring machine for turned and ground parts capable of taking measurements on a piece profile in a matter of seconds in the shop floor environment. Size capacity: 60mm diameter x 300mm length	2	
Mitutoyo Roundtest RA-144 	High accuracy instrument for measuring roundform geometry on the shop floor, including attributes such as roundness, straightness, flatness, concentricity, coaxiality, perpendicular and runout  300mm Probing height capacity	1	
Mitutoyo Surface roughness testers 	SJ-210 Portable surface testers with dedicated granite tables. Measuring range of 17.5mm with -200um to +160um detector range with length extensions of up to 75mm	4	

Model	Details	Qty	Automation
Mitutoyo Surface roughness testers 	SJ-410 surface tester with dedicated granite tables. Measuring range of 25mm with both skid and skidless (groove) detectors, and length extensions of up to 75mm	1	

Various Height Gauges 	Various motorised height gauges including Trimos, Sylvac and Mitutoyo. With an operating range of up to 500mm	11	
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If you have a project you would like to discuss or you would like to arrange a visit call or email us.

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