

COMPANY PROFILE



Introduction

Building machines **for a better tomorrow**

Neo Synergy Machinery Trading LLC is a machinery trading and production company based in Dubai, United Arab Emirates. Neo Synergy specializes in the trade and customization of machinery, equipment, and accessories.



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Company



OUR VISION

Our mission is to provide turnkey solutions in the world of machine tools, cutting tools, automation, and robotics. We hope to become the premier one-stop destination for our clientele's machine and cutting tools, automation, robotics, maintenance, installation, and retrofitting requirements.

Our solutions and products are geared towards promoting sustainability and longevity.

OUR MISSION

At Neo Synergy, we strive to attain profitable growth by delivering innovative products and solutions through technological excellence and skilled workmanship.

As a company, we are committed to optimizing performance towards achieving commercial and manufacturing excellence to meet customer requirements.

A one stop solution for the supply, installation, commissioning, and maintenance of manufacturing machines as well as the production of special-purpose machinery.

Our Team



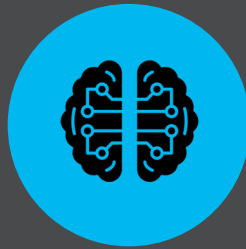
Our team is determined to add value to our clients through the provision of suitable machinery and equipment, meeting client requirements, and services. Our staff excels in deciphering the needs of our customers and providing them with the right solutions.

Our machinists and engineers have decades of collective industry experience within the Middle East and will be more than happy to discuss your needs.

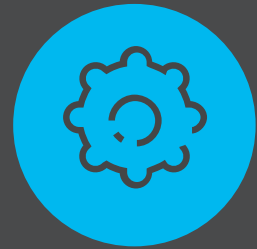
Our Services



MACHINE TOOLS



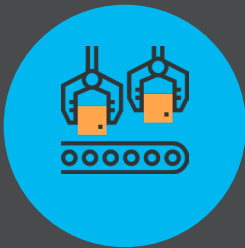
AUTOMATION



COMMISSIONING &
INSTALLATION



Neo Synergy is proficient in providing any kind of special-purpose machinery for steel, aluminum, aviation, fiberglass, mining, and industrial sector with the support of our specialized design and engineering team – Synergy International. We are capable of upgrading the existing equipment with the new technology to achieve higher, efficiency, reducing operation costs, and optimizing power consumption



SPECIAL PURPOSE
MACHINES



ROBOTICS



RETROFITTING



Our Products

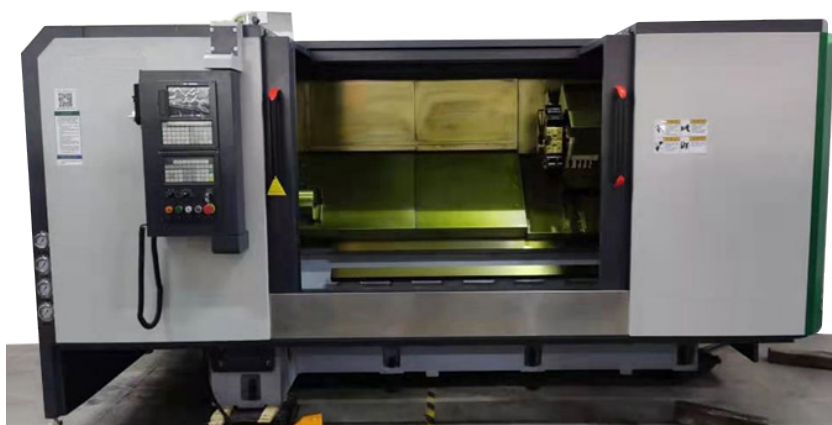
Vertical Milling Center Machines



Specification		
Table	VMC 650	VMC 850
Table Size	1000x320 mm	1000x500 mm
T Slot (width*number*distance)	18x3x100 mm	18x5x100 mm
Maximum Load	300 Kg	500 Kg
Travel	VMC 650	VMC 850
X/Y/Z Travel	600/320/450 mm	800/500/500 mm
Spindle Nose to Table	70-520 mm	150-650 mm
Spindle Center to Column (VMC 850)	-----	550 mm
Spindle	VMC 650	VMC 850
Spindle Taper	BT40	
Spindle Speed	80-8000 rpm	
Spindle Motor Power	7.5/11 Kw GSK Servo Spindle Unit	
Feed	VMC 650	VMC 850
Rapid Feed X/Y/Z	15 m/min / 15 m/min / 12 m/min	24 m/min / 24 m/min / 20 m/min
Cutting Feed Rate (VMC 850)	---	10 m/min
X/Y/Z Motor Power & Torque	15 Nm/15 Nm/15 Nm	15 Nm/15 Nm/22 Nm

Specification		
General	VMC 650	VMC 850
Power	380 V 3PH, 50/60 Hz, 12 KVA	380 V 3PH, 50/60 Hz, 22 KVA
Air Consumption	6 kg/cm ² , 0.6 Mpa	250 L/min, 0.6 Mpa
Dimension	2100 x 1700 x 2400 mm	2600 x 2400 x 2700 mm
Weight	3,500 Kg	5,000 Kg
Accuracy	VMC 650	VMC 850
Positioning Accuracy	0.008 mm	0.001 mm
Positioning Repeatability	0.003 mm	0.006 mm
Arm Tool Changer	VMC 650	VMC 850
Number of Tools	20 Tools	24 Tools
Maximum Tool Length	300 mm	250 mm
Maximum Tool Weight	8 Kg	7 Kg
Tool Changing Time (Cam box)	3 Sec	2.5 Sec

CNC Lathes



Standard Equipment

GSK 988T CNC Controller
X Axis Servo Motor with Brake
Fully Enclosed
Telescopic Guards
Automatic Lubrication System
Coolant System
Air-Condition for Electrical Cabinet
LED Working Lamp
Electronic Hand Wheel (MPG)
Operation Manual and Tool Box
Leveling Bolts and Blocks
Power Supply: 380 V/3PH, 50 Hz
Face Mount 1 pc, Boring Mount 3 pcs

Specification


Max Swing	D 550 mm
Swing Over Slide	D 360 mm
Recommended Standard Turning Dia	D 250 mm
Max Turning Dia	D 360 mm Flange Type, D 320 mm Shaft Type
Loading Capacity	200 Kg Flange Type, 500 Kg Shaft Type
Turning Length	1000 mm
Spindle Type	A 2-6
Spindle Tapper	D 70 mm 1:20
Spindle Dia	D 66 mm
Max Pulling Through Job	D 50 mm
Spindle Speed	50-400 rpm Servo

Specification


Spindle Motor Power	11 KW
Center Height	1020 mm
Chuck	8 inch Hollow
Rapid Speed X/Z	24 m/min
Turret	8 Station Horizontal
Tool Shank	25x25 mm (D 40 Boring Bar)
Positioning Accuracy	0.022 mm
Positioning Repeatability	0.006 mm
CNC System	GSK 988T/GS
Power	380V + 10%. 50 Hz, 35 KVa
Dimension	4000x2000x2050 mm
Weight	5,200 Kg

Tapping Machine & Accessories


M3 - M24



RTM-U324LR




RTM-U324R




RTM-U324


Fitting Of Machine




Quick Tapper Spindle




Morse Shanks Adapter




Clutch Tapper Adapters




Lubricating oil




Adapter



Gas Spring



Air Processor



Morse Shanks Adapter

Model	RTM-U-324-1500 RPM, RTM-U-324-1900 RPM
For Taps	M3-M24 5/32" - 3/8"
Speed (RPM)	0-300 RPM
Work Range (mm)	15 - 1500 mm 15 - 1900 mm
Power	220 V 50 Hz

Standard Accessories
Quick Tapper Spindle
Parallel Arm
Any Six Safety Clutch Tapper Adapters
Air Processor
Tools
Lubricating Oil

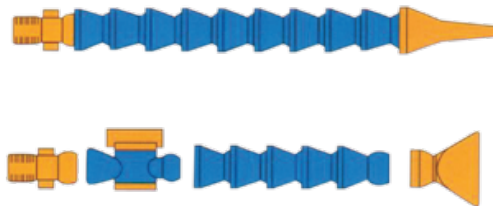
Machine Accessories

- BALL SCREW.
- BEARINGS.
- BELLOWS
- CHUCK , CYLINDER
- CHIP CONVEYORS
- OIL SKIMMERS
- VICE
- SLEEVES
- MACHINE LAMP
- LUBRICATION PUMP
- TELESCOPIC COVER
- CABLE CHAIN

COOLANT PUMPS



CNC ROTARY TABLE





Warranty
5 Years



Supplied Upto 13000 mm

DRO AND SCALES



Magnetic tape scale



GSK25i



GSK980TDC



- Retrofit packages for CNC lathe.
- Retrofit packages for CNC Milling Machine.
- Retrofit packages for Drilling and Tapping Machine
- Retrofit packages for CNC Grinding Machine
- Retrofit packages for CNC Machining Centre

GSK218MC-V



GSK988T



GSK980TDC-V



GSK980MD DRILLING AND MILLING



GSK980 TDC-H



The Control System, Driver & Motor



Welding Robot



Robot RB50



Robot RJ05



RB Family



Punching Automatic Line



Safety Box Welding



GSK VMC 850L



Tool Machine Loading
unloading



Food Pack Stacking

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