

# POLEKS MAKİNA SAN.TİC.A.Ş



2.Organize Sanayi Bölgesi Yaylacak Cd.İşiktepe Sk.No:21  
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YTU 800 - 400x800 (NC)

Horizontal Surface  
Grinding Machine



## **INDUSTRY 4.0**

- Cast-iron base
- Automatic feed (Z and Y Axis)
- Wheel flat surface approaching led light(Optional)
- Speed adjustable Grinding Wheel '0-2400 RPM'
- Spindle head, up and down movements with speed adjustable
- Turcite coated slides system
- Electro Magnetic table
- Movable touch screen and push button control panel
- Hydraulic Speed adjustable table for surfacing (X axis)
- Movable work lighting lamp & Electric panel inside lighting lamp
- Column (Z axis) curtain for secure the slides
- Magnetic cooling water separator(Optional)
- Easy Programing and Automatic feed settings
- Three different automatic grinding mode
- Table axis marble ball screw system
- Spindle head down and up movements ( Z axis) with ball screw system
- Ball screw system for table forward and backward (Y axis)
- Time adjusting automatic lubrication system
- Wheel dressing apparatus (fixed on cutting head)(Optional)



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Technical Specifications		YTU 800
Machine table surface	Mm	400X800
Max. Grinding length (-X axis)	Mm	800
Max. Grinding width (-Y axis)	Mm	400
Max. Distance from center of spindle to table	Mm	553
Max/Min. Table speed (-X axis)	m/min.	1 - 20
Automatic feed (-X axis)	Mm	0.1- 40
Min. Manual feed (-Y axis)	Mm	0.02
Automatic feed (-Z axis)	Mm	0.001~0.099
Min. Manual feed (-Z axis)	Mm	0.005
Grinding wheel diameter (max)	Mm	305X40x127
Grinding wheel rotation speed	Rpm	0-2400
Electric system	V	380 - 24
Stroke motor (Z)	Kw	0.37
Traverse motor (Y)	Kw	0.37
Hydraulic motor (X)	Kw	4
Spindle motor	Kw	5.5
Automatic lubrication pump motor	Kw	0.18
Water pump motor	Kw	0.37
Work length of machine	Mm	3450
Length of machine   Width of machine	Mm	2600-1900
Height of machine	Mm	1900
Weight of machine	Kg	3950



Manetik tabla  
Magnetic table



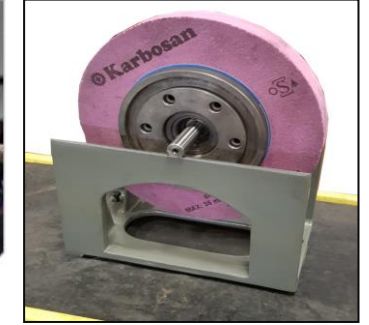
İş aydınlatma lambası  
Work lighting lamp



Ayarlanabilir taş muhafazası  
Configurable grinding wheel cover



Basınçlı soğutma suyu çıkışı  
Pressure cooling water outrun



Dokunmatik ekran ve tuş takımlı kontrol paneli  
Control panel with touchscreen & buttons



Elektrik panosu soğutma sistemi  
Electric panel cooling system





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Seri No	Standard   Extra Equipments	YTU 800
04899	Water cooling tank	1
048101	Hydraulic tank with cooling system	1
048102	Wheel flange with grinding wheel(fixed on machine)	1
048103	Wheel balancing apparatus	1
048104	Wheel disassembly strips	1
048105	Shaft of wheel balancing apparatus	1
048106	Water protection covers	1
048107	Magnetic table	1
048108	Machine balancing components	5
048109	Wheel dressing apparatus (on table)	1
048110	1,5 Grad wheel grinding diamond	1
048111	Users manuel	1
048112	Electric circuits	1
048113	Sliding covers	Extra
048114	Magnetic cooling water seperator	Extra
048115	Wheel grinding apparatus (fixed on grinding head)	Extra
048116	Parallel supports	Extra



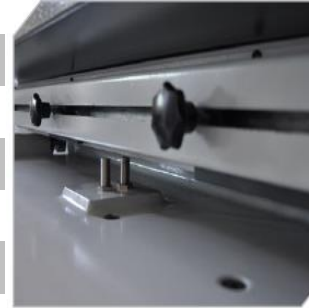
Elektrik panosu  
Electric panel



Sınır siviçleri  
Limit Switches



Manyetik tabla  
Magnetic table



Limit siviçleri  
Limit switches



Taşın işe yaklaşma led aydınlatması  
Wheel flat surface approaching led light.



Kafa üzeri taş bileme aparatı  
Wheel dressing apparatus on cutting head

Magnetic Table



Hydraulic Tank with Cooling System



Magnetic Cooling Water Separator



Wheel Grinding Apparatus



Sliding Cover





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