



Hassas

Mühendislik Ltd. Şti.

TB-86

ÜNİVERSAL TAKIM BİLEME TEZGAHI

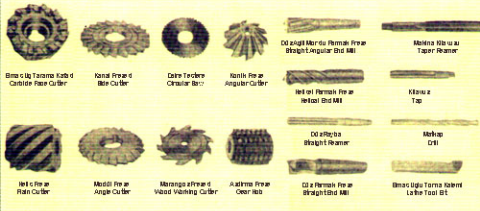
UNIVERSAL TOOL GRINDING MACHINE

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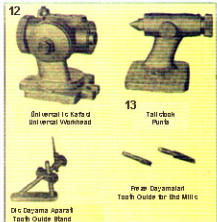


- 1 Tas Kafası Dikey Hareket Volanti
Wheel Head for Vertical Movement of Wheel Head
- 2 Kavis Muhafaza
Belt Cover
- 3 Sütun
Column
- 4 Tas Muhafaza
Wheel Guard
- 5 Talas Koruma
Chips Cover
- 6 Motor Açma Kapama
Motor ON/OFF
- 7 İş Tablası Sağ Sol Hareket Kolu
Work Table Left Right Movement Arm
- 8 İş Tablası İleri Geri Paso Volanti
Work Table Cross Feed Wheel
- 9 Kurs Ayar Sabitleyicileri
Wheel Positioning Knock Pin
- 10 İş Kafası (Fener) Mili
Wheel Spindle
- 11 Sogutma Suyu Toplama Tavası
Coolant System
- 12 İş Kafası (24 taksimatlı)
Work Head (24 gradutions)
- 13 Puntalar ve Dayamalar
Tailstocks & Tooth Guides

İS ÖRNEKLERİ / TYPICAL WORKS

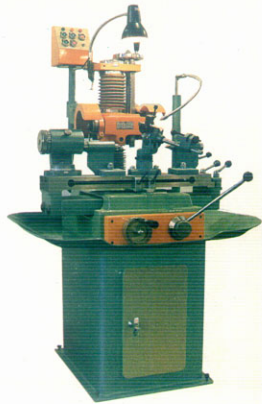


STANDART ATASMANLAR STANDARD ACCESSORIES



TEKNİK ÖZELLİKLER/TECNICAL DATA

Punta Yüksekliği Height of the tail stocks	110 mm
Azami kurs Longitudinal transverse of table	260 mm
Banko üstü taş şakülü hareketi Vertical transverse of wheel	320 mm
Banko ebatları Dimensions of table	160 x 700 mm
Banko helis açısı Swivel of table	5° sağa ve sola 5° to both side
Motor verimi Motor (pole changing motor)	0.55-0.33 kw
Motor devir sayısı Speed (min ⁻¹)	1400-2800 d/dak.
Taş çapı Wheel diameter	150 mm
Taş kesme hızı (Tak.) Spindle cutting speed (app.)	30-60 r/s
Kafa dönerliliği Swivel of wheel head	90° sağa ve sola 90° to both side
Ağırlığı (tak.) Weight of machine (App.)	250 kg



ÖZEL APARATLAR/SPECIAL ATTACHMENTS

Alet Bileme Aparatı/Tool bit Attachment

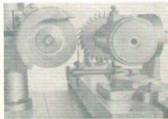
Matkap Bileme Aparatı/Drill Grinding Attachment

Tırnak taksimatlı başlık ve puntası/Fine Indexing Attachment

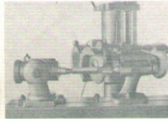
Üniversal Iş Kafası/Universal Workhead

Radius Bileme Aparatı/Radius Grinding Attachment

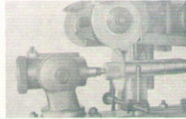
BİLEME ÖRNEKLERİ/OPERATING EXAMPLE



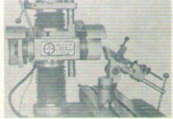
Side cutter outside-grinding
Freze dış yüzeyin bilenmesi



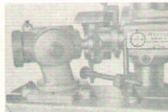
Spiral End Mill grinding
Spiral Parmak Freze bilenmesi



Metal saw grinding
Daire Freze bilenmesi



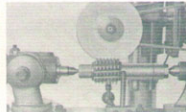
Grinding the twist-drill with drill attachment
(Special Attachment)
Matkap bilenmesi (özel Aparat)



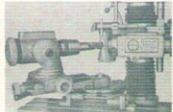
Angular Cutter grinding
Konik freze bilenmesi



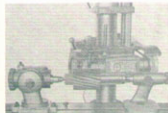
Carbide Tipped Face Cutter grinding
Elmas uçlu freze bilenmesi



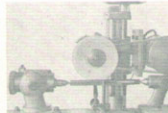
Hob grinding
Modül freze bilenmesi



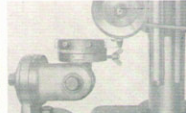
Grinding of ball and mill with radius grinding
attachment (Special Attachment)
Küresel takımların bilenmesi (özel Aparat)



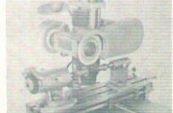
Plain cutter grinding
Helis freze bilenmesi



Tap grinding
Rayba bilenmesi



Grinding of chipbreaker with tool Bit attachment
(Special Attachment)
Torna kalemi bilenmesi (özel Aparat)



Grinding of hob with fine indexing attachment
(Special Attachment)
Modül freze bilenmesi (özel Aparat)



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