



TMC 500 / TMC 700

CNC DİK İŞLEME MERKEZLERİ

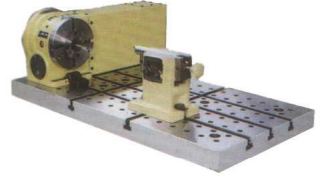
CNC VERTICAL MACHINING CENTERS



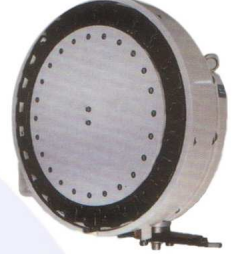
- YÜKSEK HASSASİYET (TEKRARLAMA 2 μ /TAM STROK, POZİSYONLAMA 5 μ /TAM STROK)
- YÜKSEK RİJİDİTE
- YÜKSEK HIZ(30 m/dak.)
- SERİ KILAVUZ ÇEKME (ADAPTÖRSÜZ 40 delik/dak., HSS, M4, ϕ 1040)
- YÜKSEK DELİK DELME GÜCÜ (40 mm, HSS, ϕ 1040)
- YÜKSEK KESME GÜCÜ (140 cm³/dak. ϕ 1040)
- PROGRAMLAMA VE TEZGAH KULLANIMI İÇİN ÜCRETSİZ EĞİTİM
- SERVİS VE YEDEK PARÇA GÜVENCESİ

- HIGH ACCURACY (REPEATABILITY 2 μ /FULL STROK, POSITIONING 5 μ /FULL STROK)
- HIGH RIGIDITY
- HIGH SPEED (30 m/min)
- RAPID TAPPING (40 hole/min., HSS, M4, SAE 1040 WITHOUT ADAPTER)
- HIGH MILLING POWER (40 mm, HSS, SAE 1040)
- HIGH CUTTING POWER (140³ cm/dak. SAE 1040)
- FREE TRAINING PROGRAMING AND OPERATING MACHINE
- GUARANTEE OF SERVICE AND SPARE PARTS

TECHNICAL SPECIFICATIONS	TEKNİK ÖZELLİKLER	TMC 500 V/1	TMC 700V
MOVEMENTS	HAREKETLER		
X/Y/Z AXIS TRAVEL	X/Y/Z EKSEN HAREKETLERİ	500/410/400 mm	700/450/550 mm
SPINDLE NOSE TO TABLE	İŞ MİLİ BURNU TABLA ARASI MESAFE	100-500 mm	100-650 mm
SPINDLE CENTER TO COLUMN SURFACE	İŞ MİLİ EKSENİNDE SÜTUNA OLAN MESAFE	465mm	490 mm
TABLE	TABLA		
TABLE OVERALL SIZE	TABLA EBADI	750x400 mm	1020x510mm
WORKING AREA	ÇALIŞMA ALANI	650x400 mm	900x450 mm
MAX. LOADING WEIGHT	TABLA YÜKÜ	400 kg	750 kg
T.SLOTS (WIDTH x NO x PITCH)	T-KANALI GENİŞLİK X ADET X ARALIK	18x3x100 mm	18x4x100 mm
DISTANCE (FLOOR TO TABLE SURFACE)	TABLA YÜZEYİNİN YERDEN YÜKSEKLİĞİ	850mm	900mm
SPINDLE	İŞ MİLİ		
SPINDLE SPEED	DEVİR ARALIĞI	80-8000 rpm (dev./dak.)	80-8000 rpm (dev./dak.)
SPINDLE TAPER	İŞ MİLİ KONİĞİ	ISO 40	ISO 40
MAX. SPINDLE TORQUE	MAX.TORK	7.2 kqm	7.2 kqm
LUBRICATION SYSTEM	YAĞLAMA SİSTEMİ	GRES(SONSUZ ÖMÜR)	GRES(SONSUZ ÖMÜR)
		GREASE (FOR LIFE)	GREASE (FOR LIFE)
FEEDRATE	İLERLEMELER		
RAPID TRAVERSE X,Y,Z	HIZLI İLERLEME X,Y,Z	30 m/min. (m/dak.)	30 m/min. (m/dak.)
CUTTING FEEDRATE	KESME İLERLEMESİ	1-10.000 mm/min (mm/dak.)	1-10.000 mm/min (mm/dak.)
MANUAL FEEDRATE	ELLE İLERLEME	1-1260 mm/min (mm/dak.)	1-1260 mm/min (mm/dak.)
BALL SCREWS (X,Y,Z) (C3)	BİLYALI MİLLER X,Y,Z (C3)	Ø40x10	Ø40x10
AUTOMATIC TOOL CHANGER	TAKIM MAGAZİN		
TYPE	TİPİ	TAMBUR(DRUM)	TAMBUR(DRUM)
CAPACITY	KAPASİTESİ	16	16
TOOL SELECTION-TOOL HOLDERS	TAKIM UCU TİPİ VE SEÇME YÖNTEMİ	MAS BT40, Random,Bi-Directional	MAS BT40, Random,Bi-Directional
TOOL DIAMETER/LENGHT/WEIGHT	MAX.TAKIM ÇAP/BOYU/AĞIRLIĞI	(MAS BT40, ÇİFT YÖNLÜ, SIRASIZ)	(MAS BT40, ÇİFT YÖNLÜ, SIRASIZ)
		80 mm/250mm/7kg	80 mm/250/7kg
ATC TIME, TOOL TO TOOL	TAKIM DEĞİŞTİRME ZAMANI (TAKIMDAN TAKIMA)	3 SEC (Saniye)	3 SEC (Saniye)
ATC TIME, CHIP TO CHIP	TAKIM DEĞİŞTİRME ZAMANI (TALASTAN TALAŞA)	6 SEC (Saniye)	6 SEC (Saniye)
MOTOR	MOTOR		
SPINDLE MOTOR (SIEMENS-FANUC)	İŞ MİLİ MOTORU (SIEMENS(S1/S2)-FANUC(S1/S2))	6.25/7.75kW - 7.5/9kW	6.25/7.75kW - 7.5/9kW
X & Y AXIS MOTOR (SIEMENS-FANUC)	X&Y EKSEN MOTORU (SIEMENS-FANUC)	1.4kW	1.4kW
Z AXIS MOTOR (SIEMENS-FANUC)	Z EKSEN MOTORU (SIEMENS-FANUC)	3.3 kW	3.3 kW
COOLANT PUMP	SOĞUTMA POMPASI	0.63kW	0.63kW
ATC MOTOR	ATC MOTORU	40 watt, 110V	40 watt, 110V
LUBRICATION MOTOR	YAĞLAMA MOTORU	4 watt, 220V	4 watt, 220V
ELECTRICTY AND AIR CONSUMPTION	ELEKTRİK VE HAVA İHTİYACI		
ELECTRICITY NEEDED	ELEKTRİK İHTİYACI	15kW	15kW
AIR NEEDED	HAVA İHTİYACI	6 atü	6atü
COOLING	SOĞUTMA DONANIMI		
TANK CAPACITY	TANK KAPASİTESİ	120 L	155 L
PUMP CAPACITY	POMPA KAPASİTESİ (LT/MİN-2M)(LT/DAK.-2M)	60	60
WEIGHT & FLOOR SPACE	AĞIRLIK VE BOYUTLAR		
WEIGHT	AĞIRLIK	3000 kg	3500 kg
FLOOR SPACE	ÇALIŞMA ALANI	2900x3400 mm	31 50x3570 mm
PACKING DIMENSIONS (OVERSEAS)	AMBALAJLAMA ÖLÇÜLERİ (DENİZ AŞIRI) (BxExY)	2950x2250x2880 mm	2950x2250x2880 mm



DÖNER VE İLAVE TABLA
ROTARY AND ADDITIONAL TABLE



OTOMATİK TAKIM DEĞİŞTİRİCİ (ATC)
24 TAKIM (1,6 / 1,3 sn.)
AUTOMATIC TOOL CHANGER (ATC)
24 TOOL (1,6 / 1,3 sec.)



OTOMATİK TAKIM DEĞİŞTİRİCİ (ATC)
20 TAKIM (6 / 10 sn.)
AUTOMATIC TOOL CHANGER (ATC)
20 TOOL (6 / 10 sec.)

STANDARD ACCESSORIES / STANDART AKSESUARLAR

- COOLANT EQUIPMENT / SOĞUTMA DONANIMI
- LUBRICATION EQUIPMENT / YAĞLAMA DONANIMI
- LIHGTING SYSTEM / AYDINLATMA DONANIMI
- OPERATOR CALLING LAMP / OPERATÖR ÇAĞIRMA LAMBASI
- TELESCOPIC SLIDEWAYS / TELESKOPIK KAPAKLAR
- FULL ENCLOSED MACHINE CABINET / KOMPLE KAPALI KAPORTA
- AUTOMATIC TOOL CHANGER(16 TOOL POT) / OTOMATİK TAKIM DEĞİŞTİRİCİ (16)
- RAPID TAPPING / ADAPTÖRSÜZ SERİ KILAVUZ ÇEKME
- CHIP PAN / TALAŞ TEKNESİ
- TOOLS AND TOOL BOX / TAKIM VE AVADANLIKLAR
- OPERATION AND MAINTENANCE MANUAL / TEZGAH BAKIM VE KULLANMA KİTABI
- MACRO PROGRAMMING / MAKRO PROGRAMLAMA
- GRAPHIC DISPLAY / GRAFİK EKCRAN
- METRIC-INCH TRAVERSE / METRİK - İNÇ DÖNÜŞÜMÜ
- LOADMETER-SPEEDMETER / YÜK METRE-HIZ METRE
- RS-232 C FOR DNC AND CAD-CAM CONNECTION / DNC VE CAD-CAM İÇİN RS-232 C

OPTIONAL ACCESSORIES / ÖZEL AKSESUARLAR (*)

- ADDITIONAL TABLE / İLAVE TABLA
- FOURTH AXIS AND ROTARY TABLE / DÖRDÜNCÜ EKSEN VE DÖNER TABLA
- TOOL ADJUSTMENT DEVICE / TAKIM AYARLAMA CİHAZI
- CHIP CONVEYOR / TALAŞ KONVEYÖRÜ

VERSION / VERSİYON (**)

- AUTOMATIC TOOL CHANGER (24 TOOL-FOR ONLY TMC 700 SIEMENS)
- OTOMATİK TAKIM DEĞİŞTİRİCİ (24 TAKIM-SADECE TMC 700 SIEMENS İÇİN)
- AUTOMATIC TOOL CHANGER (20 TOOL-FOR ONLY TMC 700 FANUC)
- OTOMATİK TAKIM DEĞİŞTİRİCİ (20 TAKIM-SADECE TMC 700 FANUC İÇİN)

(*) Opsiyon : Müşteride adapte edilebilen aksesuar / Option : Accessory to be adapted on customer site

(**) Versiyon : Sadece Fabrikamızda adapte edilebilen aksesuar / Version : Accessory to be adapted only at our factory