



Sim Makina

Wire machineries

WIRE DRAWING TECHNOLOGIES

GENEL KATALOG / GENERAL CATALOGUE

DİKEY TEL ÇÖZÜCÜ

VERTICAL WIRE PAY-OFF

DTC6

Kuru tel çekme makinalarında çelik tel boşaltmak için kullanılır.
Makina, çekme hattı durmadan çalışma imkânı sağlar.

It is used to unwind the carbon steel rod for the dry drawing this machine permits to load the coils without stopping the dry drawing line



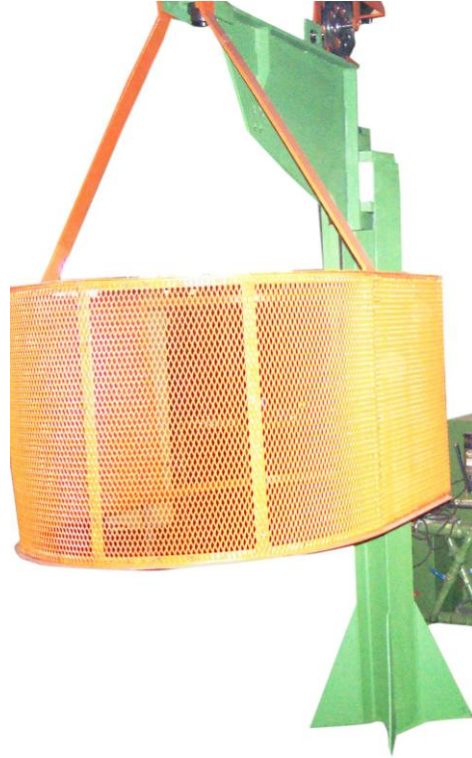
TEKNİK ÖZELLİKLER		FEATURES AND DIMENSIONS	
• Taban	3.200 x 3.250 mm	• Base	3200 x 3250 mm
• Yükseklik	5.500 - 7.000 mm	• Height	5500 - 7000 mm
• Tambur dikey yükseklik	3.000 mm	• Drums vertical hight	3000 mm
• Tambur 90° yükseklik	825 mm	• Drum 90° point heihgt	825 mm
• Toplam ağırlık	5000 kg	• Total weight	5000 kg
• Max yük her tambur için	3000 kg	• Max load perm. On each drum	3000 kg
• Max tel çapı	7 mm	• Max wire diameter	7 mm
• Hidrolik motor AC	4 kw	• Hydraulic motor AC	4 kw



PNEUMATIC WIRE PAY-OFF

Sulu tel çekme makinalarında tel boşaltmak için kullanılır. Pnomatik kol ile tel çekme durmadan 2 makara ile çalışma imkânı sağlar.

It is supplied with an automatic rotating Arm operated by pneumatic engine to take off the the semi finished wire from twwo coils in succession wihout stopping the drawing machine.



PERFORMANS ve ÖZELLİKLERİ

Sulu tel çekme makinalarında kullanılır. Tel çekme hattı durmadan boş makara değişimi yapılır. Bir makaradan diğer makaraya geçişi pnomatik piston yardımı ile gerçekleşir.

FEATURES AND PERFORMANCES

It is suitable to feed wet drawing machines either from reels or stems the change from empty to full reel/stem is made without stopping the wet drawing line first is necessary to weld the end of one reel/stem to the end of the other, then when changing from empty to pneumatic piston will be activated and this will allow the rotation of the final partof the decoiler.



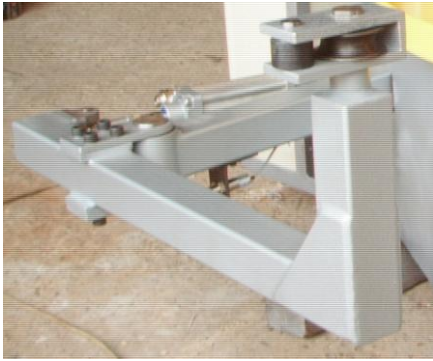
MOTORLU TEL ÇÖZÜCÜ

MOTORIZED WIRE DECOILER



TEKNİK BİLGİLER

Çap 0.8-10 mm
Dansör ve tork kontrollü



DANSÖR KOLU

TECHNICAL DATA

Diameter 0.8-10 mm
With dancer and torque-controlled accumulator



DANCER ARM

KURU TEL ÇEKME MAKİNASI

DRY DRAWING MACHINE

KURU TEL ÇEKME MAKİNASI
Dansör kontrollü

DRY DRAWING LINE
Sensor control and dancer arm control



KURU TEL ÇEKME MAKİNASI

DRY DRAWING MACHINE

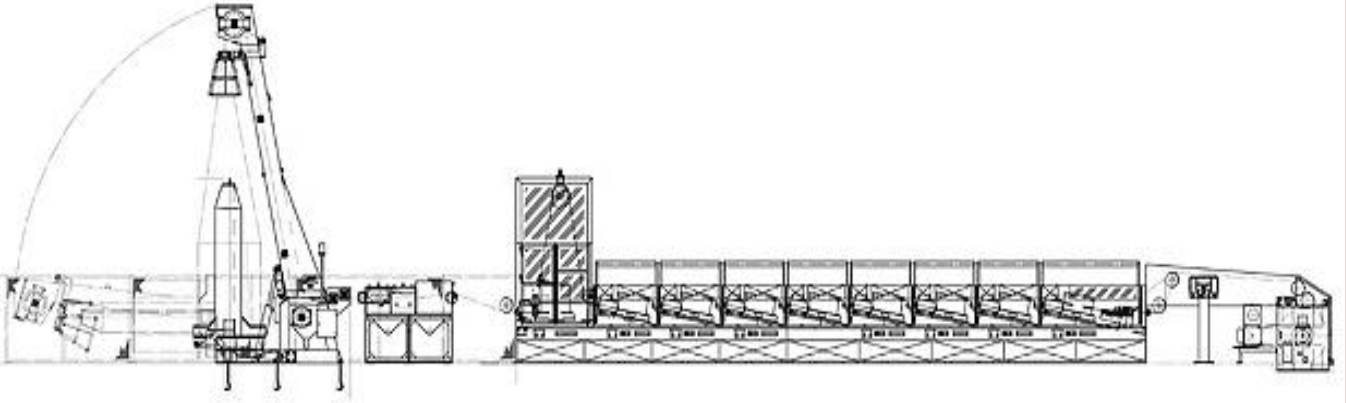


KAFA/CABESTAN



HADDE KUTUSU/DIE BOX

KURU TEL ÇEKME MAKİNASI / DRY DRAWING MACHINE



TEKNİK BİLGİLER

Kafa çapları	300/400/560/630 mm
Giriş max diameter	3.00-8.00 mm
Motor gücü	15-45 kw
Max hız	22m/sec
Döner hadde	

TECHNICAL DATA

Capstan diameter in	300/400/560/630 mm
Inlet max diameter	3.00-8.00 mm
Motor power	15-45 kw
Max speed	22 m/sec
Rotating die box	



DÖNER HADDE/ROTATING DIE HOLDER



KAFA/CAPSTAN

SULU TEL ÇEKME MAKİNASI STC

WET DRAWING MACHINE STC

3 şaftlı döner haddeli dansör kollu
imal düşük karbonlu çelik teller için
tel sulu tel çekme makinası

*Drawing machine with three shafts
rotating dies and built-in dancer
wet drawing machine for carbon Steel wires*

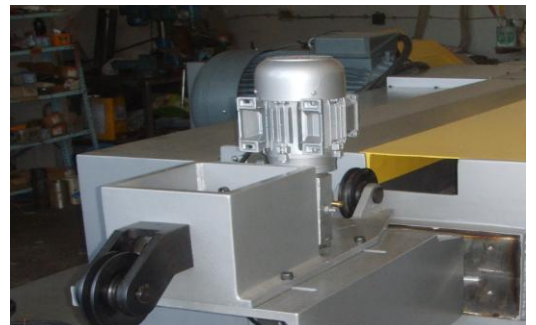


TEKNİK BİLGİLER

Max tel giriş çapı 2.20 mm
Min. çıkış çapı 0.60 mm
Hadde sayısı 9
Kuru hadde ile beraber hadde sayısı 10
Max hız 20 m/s
Hadde redüksiyon % 15
3 yatay şaft üzerinde tel çekme işlemi
Tungusten carbür kalı ringler ile yapılır.
Tüm haddeler döner sistemdir
Kayış kasnak sistemli
Standart 90 kw motor
Çekme kafası seramik kaplıdır
Çekme sıvısı soğutma eşanjörü

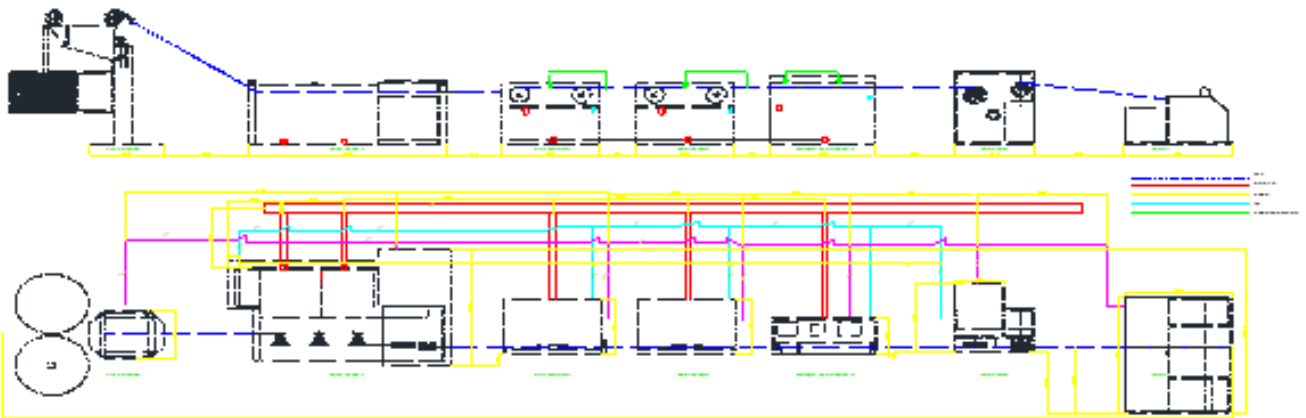
TECHNICAL DATA

*Max. inlet wire diameter 2.20 mm
Min outlet wire diameter 0.60 mm
Number of drafts 9
Pre-setting for dry die 10
Max speed 20 m/s
Section reduction per draft 15%
Submerged cones wire drawing system with
Horizontal shafts standart coated with tungusten carbide
Fully rotating die system
Belt transmission
Standart 90 kw motor
Drawing capstan with ceramic coating
Lubrication/cooling fluid circulation by pump and heat axchanger*



SULU TEL ÇEKME HATTI

WET DRAWING LINE

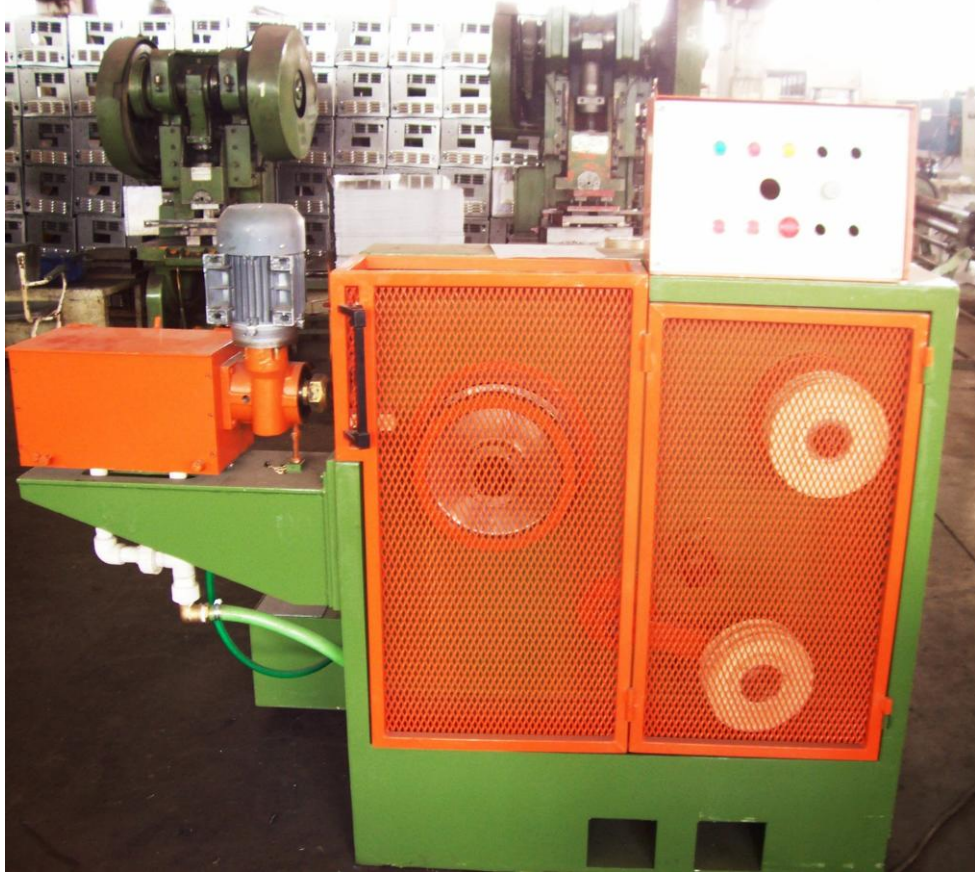


SKİN-PASS BLOK

SKIN-PASS BLOCK

Tel, sert maden kaplanmış çapı 300 mm olan kafa ile çekilir. Üzerinde döner hadde mevcuttur. Dancer kol ile hız dengesi sağlanır.

The wire is drawn by a hard coated capstan having a diam. 300 mm. It has die holder fixed on the frame. The wire coming out from the capstan enters a dancer which synchronizes the speed with the following winder.



TEKNİK BİLGİLER

Çap aralığı: 0.6/2.00 mm
Motor gücü: 15 kw
Döner hadde
Sıvı sabun sirkülasyon tank ve pompası
Tungusten karbür kaplı çekme kafası

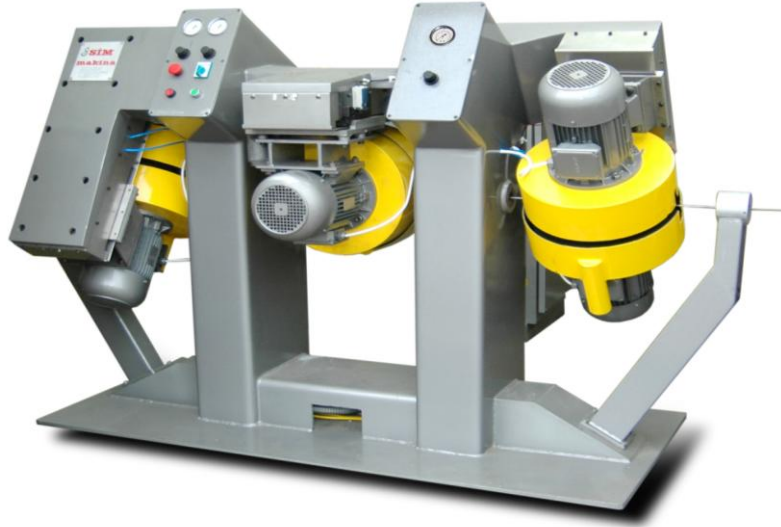
TECHNICAL DATA

Range of diameter: 0.06/2.00 mm
Motor power: 15 kw
Rotating die holder with possiblty to adjust
Oil cyrculatingssystem: included
Capstan surface treatmen: tungusten carbide



TEL FIRÇALAMA MAKİNASI STF

Brush Descaling Machine Stf



TEKNİK BİLGİLER

Bütün çelik tellerin fırçalanmasında
(Düşük –yüksek karbon)
Tel hızı max 2 m/s
Tel çapı 5.5-9 mm
Ayarlanabilir motor hızları (opsiyonel)

TECHNICAL DATA

*Brush descaling machine for all wire qualities
(Low - high carbon)
Wire speed up to max.2 m/s
Wire diameter 5,5 - 9 mm
Adjustable brush speed optional*



TEKNİK BİLGİLER

Bütün çelik tellerin fırçalanmasında
(Düşük –yüksek karbon)
Tel hızı max 1.5 m/s
Tel çapı 5.5-9 mm
Ayarlanabilir motor hızları



TECHNICAL DATA

*Brush descaling machine for all wire qualities
(Low - high carbon)
Wire speed up to max.1.5 m/s
Wire diameter 5,5 - 9 mm
Adjustable brush speed*

TEL ZIMPARALAMA MAKİNASI

Double-Head Grinding Machine/Sander/Linisher

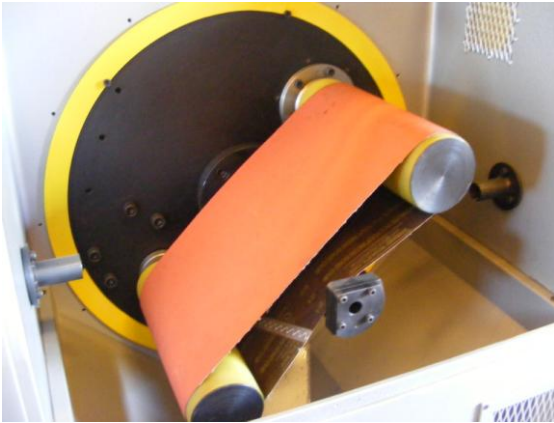


TEKNİK BİLGİLER

Tel çapı 5.5 - 10 mm (opsiyonel 15) mm
Max. Tel hızı 3.5m/s
Ayarlanabilir flaş hızı
Ayarlanabilir zımpara bant hızı
Toz sızdırmaz dizayn
Sessiz çalışma

TECHNICAL DATA

Wire diameter 5,5 - 10,0 mm (option max. 15,0 mm)
Wire passing speed max. 3,5 m/s
Adjustable flyer speed
Adjustable belt speed
Dust proof design
Silent design



Zımpara bandı/sandig belt

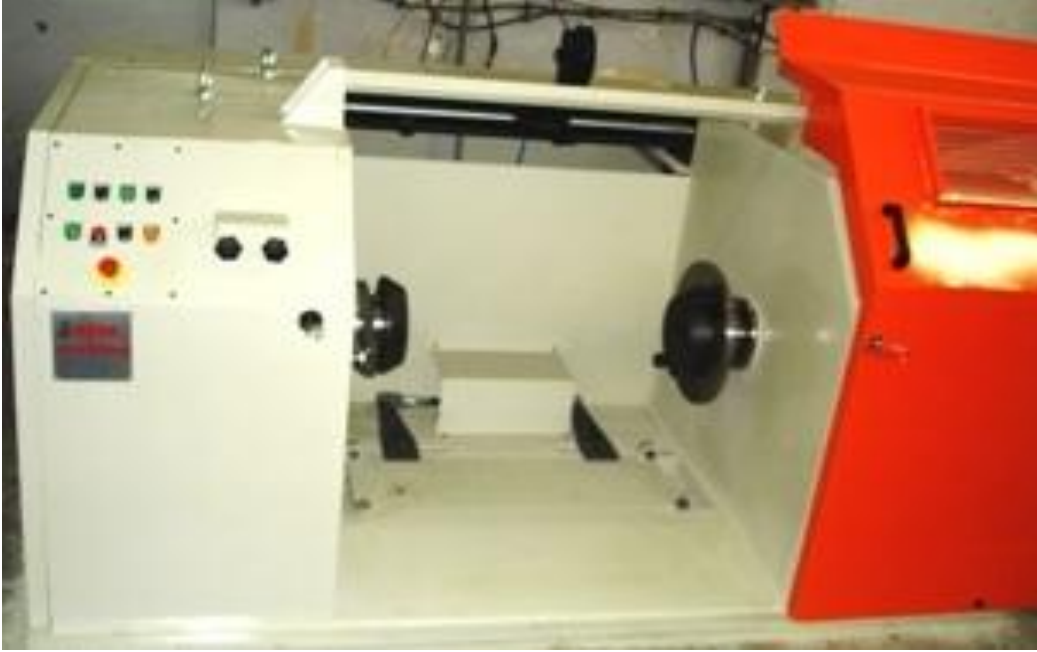


Kontrol sistem/Control cabinet

TEL SARICI / ÇÖZÜCÜ STCH 630 – 900 – 1000

TAKE-UPS SERIES /PAY-OFFS SERIES STCH 630-900-1000

Çelik telleri sarma ve çözme için kullanılır. Take up /pay-off suitable to wind/ unwind carbon steel wires onto reels with flanges having a diameter from 630mm to 1000 mm
Makara çapı 600-1000 mm için

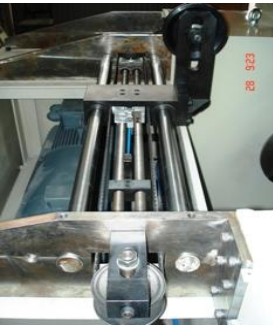


TEKNİK BİLGİLER

Çelik konstrüksiyon
Pnomatik boşaltma ve yükleme
Hız ayarlı tel gezdirici
Pnomatik sıkıştırma ve açma
Ön kontrol paneli
7+7 makaralı tel doğrultma grubu
Tel aralığı: 0.5-3 mm
Max hız: 20m/s
Max kapasite: 2000 kg

TECHNICAL DATA

Sturdy frame in electrowelded steel
Pneumatic hoist for reel loading/unloading
Mechanical traverse with adjustable pitch-
Tailstock with pneumatic drive
Front control panel
Wire straightening unit 7+7 rollers
Range of wire diameters to be wound: 0.5-3 mm
Max linear winding speed: 20 m/s
Max capacity of reels that can be used up to 2000 kg



MAKARAYA TEL SARMA HATTI

SEMI-AUTOMATIC RESPOOLING LINE

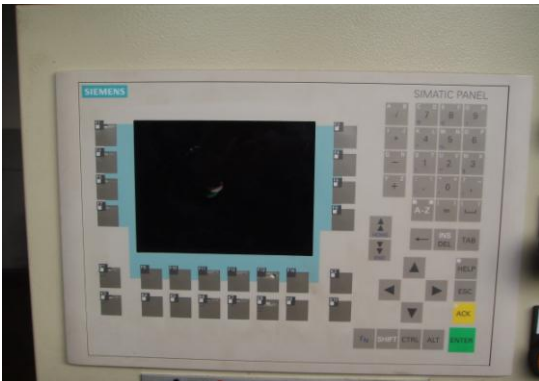


TEKNİK BİLGİLER

PLC kontrollü sistem
Pnomatik Boşaltma ve yükleme
Otomatik dönüşlü tel dağıtıcı
İş kazalarını önleme yasalarına uygun
Emniyet cihazları
Hattı kontrolünü sağlayan fonksiyonel panel
Tel doğrultma ünitesi 9+9 makaralı ve
Dik konumda montajlı
Sarılabilen tel tel çapı:
0.8 – 2 mm
Max sarım hızı 30m/s
Sarımı yapılabilen makara kapasitesi
5-15-20 kg
DC elektrik motor ve sürücüleri

TECHNICAL DATA

*PLC electronic equipment
Pneumatic hoist for reel loading
Reversible automatic wire traverser
Safety devices in accordance with accident
Prevention regulations
Front synoptic panel to control the line
Wire straightening unit with 9+9 rollers
Positioned at right angle
Range of diameters of wire to be wound;
From 0.8-2 mm
Max linear re spooling speed 30 m/s
Capacity of spools which can be used for
Winding: 5-15-20 kg
DC electrical drive; according to customers' request*



BAKIR KAPLAMA TANKI SBKT

COPPER COATING TANK

Gazaltı kaynak teli ve zımba teli çekme işleminde kullanılır.

Suitable for the coppering of welding wires and wires



TEKNİK BİLGİLER

İşlenecek tel: Gazaltı kaynak teli ve zımba teli
T.S. 100 kg/mm² Karbon içeriği
% 0.06/0.15
Tel aralığı: 0.8-16 mm
Makara malzemesi: Seramik
Tel hızı: 20m/sn

PROSES

Bölmeler	Kapasite (litre)
	Banyo tipi
Asit yıkama	400
	H ₂ SO ₄ + H ₂ O
Bakır kaplama	400
	CuSO ₄ + H ₂ SO ₄ + H ₂ O
Hava sıyırma	
Hava duruluma	35
	H ₂ O

TECHNICAL DATA

Material to be treated: welding wire and staple
Wires T.S. 100 kg/mm² Max carbon content
% 0.06/0.15
Wires range from: 0.8-1.6 mm
Working pulleys material: Ceramic
Wire speed: 20m/sec

PROCESS

Sections	Capacity (litres)
	Type of bath
Pickling	400
	H ₂ SO ₄ + H ₂ O
Coppering	400
	CuSO ₄ + H ₂ SO ₄ + H ₂ O
Air wiping	
Pressure rinsing	35
	H ₂ O



TEL DOĞRULTMA VE KESME MAKİNASI

WIRE STRAIGHTENING AND CUTTING MACHINE



TEKNİK BİLGİLER

Kesilen tel tipi: Tig, steel
Tel çapı: 3-6 mm
Kesme boyu: 500 – 3000 mm
Max hız: 120m/dakika

TECHNICAL DATA

Type of wire: Tig, steel
Wire diameter: 3-6 mm
Cut length: 500 - 3000 mm
Max sp: 120 m/min

CLOSE LENGHT TOLARENCS AND HIGH GRADE CUTS

Machine set-up operations are easier as adjustments of the rotor and feed speed can be executed separately. A high speed pneumatic clutch controls the cutting unit. Electronic cutting unit is also available (optional). Noise levels are remarkably reduced in comparison with the previous versions of the machine (according to C.E. Standards). The high speed is used to accommodate thin wires and the low speed for thick wires.



HADDE AÇI MAKİNASI

DRAWNPLATES GRINDING DIE MACHINE

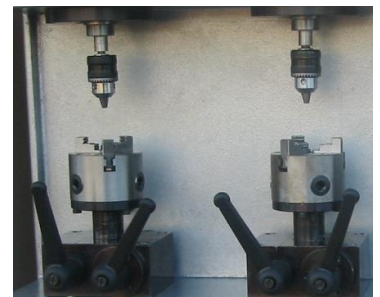


TEKNİK BİLGİLER

2 veya 4 çubuklu işleme makinaları
Ayarlanabilir devir
Sessiz çalışma
Hadde işleme aralığı 0.2-6 mm
Üst baskı RPM min 200 max 1050
Hadde dönüş RPM min 80 max 420

TECHNICAL DATA

2 or 4 needles drawn plates grinding machin
Continuosly adjustables RPM
Silent mowement
Range of diameter 0.2-6.0 mm
Centers tubes RPM min 200 - max 1050
Dies spindles RPM min 80 - max 420



PANEL TEL ÇİT PUNTA MAKİNASI TAM OTOMATİK FULL AUTOMATIC WIRE FENCE WELDING MACHINE



Makina, kesilmiş doğrultulmuş telleri kaynak yapıp panel çit haline getirir.

Fence mesh welding line for medium weight wire mesh panels from pre-straightened and pre-cut bars

- Full or semi automatic cnc programmable
- Excellent mesh accuracy
- Quick changeover of the newly developed magazine
- Automatic loading of different line wires
- High productivity because of state-of-the-art wire feeding and high operating speed
- Superior flexibility for manufacturing different types and dimensions of wire mesh using fast and simple changeover.
- Wire feeding from pre straightened and pre-cut bars-Automatic feeding of longitudinal and cross bars from hoppers
- Future-orientated versatility because the system can be adapted to suit various production tasks.



Sim Makine

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SİM Makina San. Tic Ltd. Şti.

Çavuşođlu Mah. Barbaros Hayrettin Cad. No: 47

Kartal/İstanbul/TURKEY

Tel: +90 216 5172786

Fax: +90 216 5172687

E-mail info@simmakina.com

www.simmakina.com