

BİRLİK MAKİNA

Professional Solutions
for professionals

BİRLİK MAKİNA | info@birlikmakina.eu | www.birlikmakina.eu

Since 1989


BİRLİK MAKİNA



biz kimiz
who we are

BIRLIK MAKINA, has more than 30 years' experience in designing, manufacturing, and installing complete systems for the production of welded tube and/or profile lines with more than 120 employees, is the middle east leader with sales and after sales services.

We always have the lastest technology and also we move it forward with our new designs an products an also have the proud of being a model for other manufacturers.

Choosing BIRLIK MAKINA means obtaining immediate access, anywhere in the world, to highly trained technical personnel and top level facilities, reliable information, and unparalleled services, all of which are available at a quality/price ratio that is extremely competitive on all word markets.

BİRLİK MAKİNA 30 yıllık tecrübesiyle anahtar teslimi kaynaklı çelik boru ve profil üreten makinelerin dizaynını, üretimini ve kurulumunu yapmaktadır. Bünyesinde çalışan 120'den fazla personeli, gerçekleştirdiği üretim ve satış miktarları, ayrıca satış sonrası hizmetleriyle de orta doğu ve doğu avrupada sektörünün tartışmasız lideridir.

Her zaman son üretim teknolojilerini yakından takip eden ve bünyesine hızlı şekilde dahil eden firmamız, geliştirdiği yeni ürünler ve modellerle de rakiplerine model olmanın gururunu taşımaktadır. Birlik Makinayla çalışmak demek, dünyanın herhangi bir yerinde yüksek kaliteli makinalarla üretim yapmak, iyi eğitimli teknik ekiple hızlı şekilde servis ve yedek parça hizmeti almak ve rakiplerine üstünlük sağlamada avantaj elde etmek demektir.

Kalite/fiyat oranıyla da Birlik Makina, dünya pazarında ön plana çıkan firmalardan biri olmayı başarmıştır.


BİRLİK MAKİNA
ÖZFATİBLER

ürünlerimiz **production** range

ERW Boru Profil Makinaları	ERW/H.F. Welded Pipe and Profile Lines.
Direkt Profil Makinaları	Direct Profile Lines
Rulo Dilme Hatları	Coil Slitting Lines
Rulo Boy Kesme Hatları	Coil Cut to Length Lines.
Açık Profil Hatları	Open Profile Lines.
Soğuk Uçar Testere	Flying Cold Saw
Soğuk Çift Kafa Uçar Testere	Double Head Flying Cold Saw
H.F. Kaynak Makinası	H.F. Welding Machine
Satış Sonrası Hizmetler	After-Sales Services.



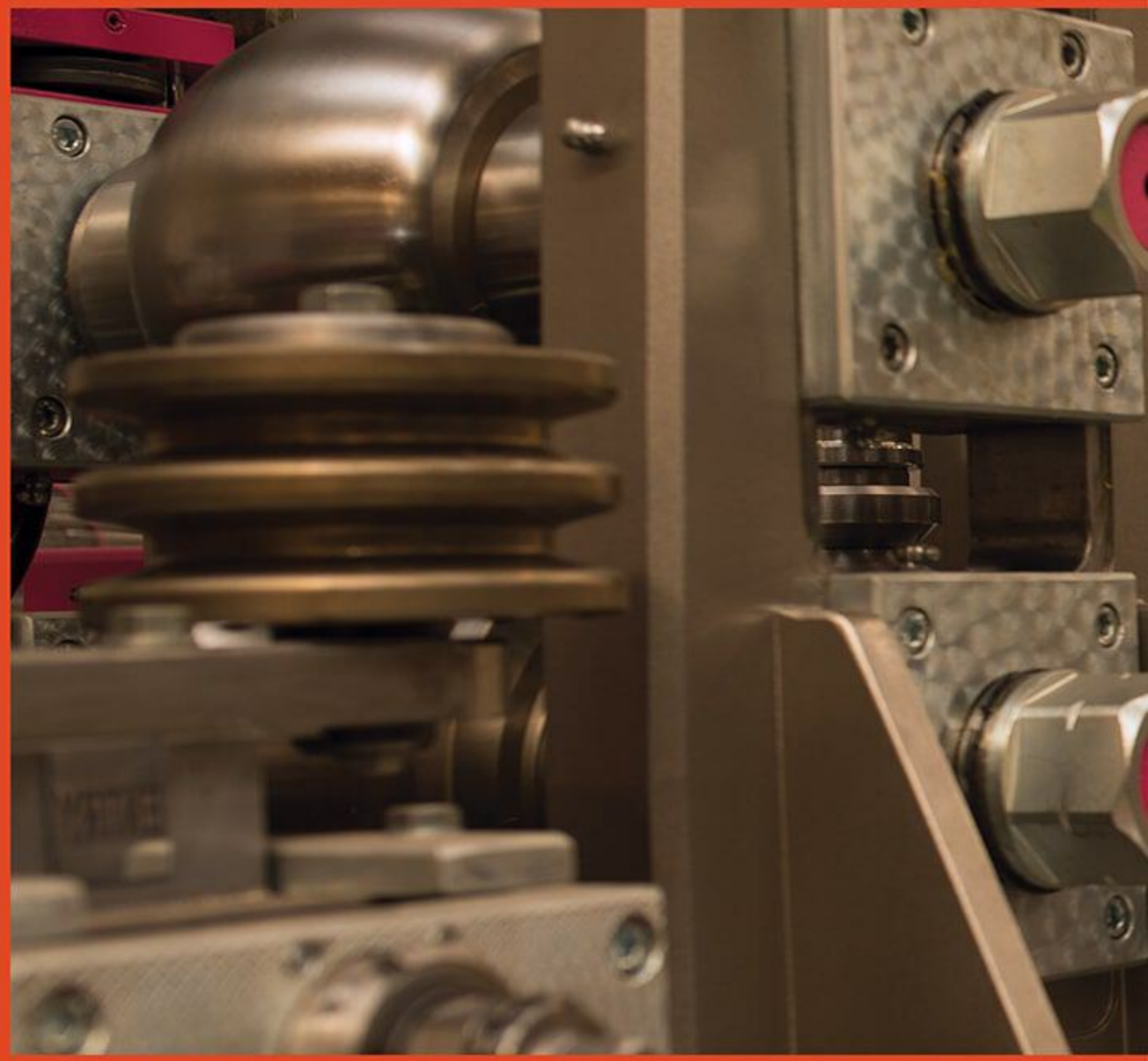




üretiminizi hızlandırın!

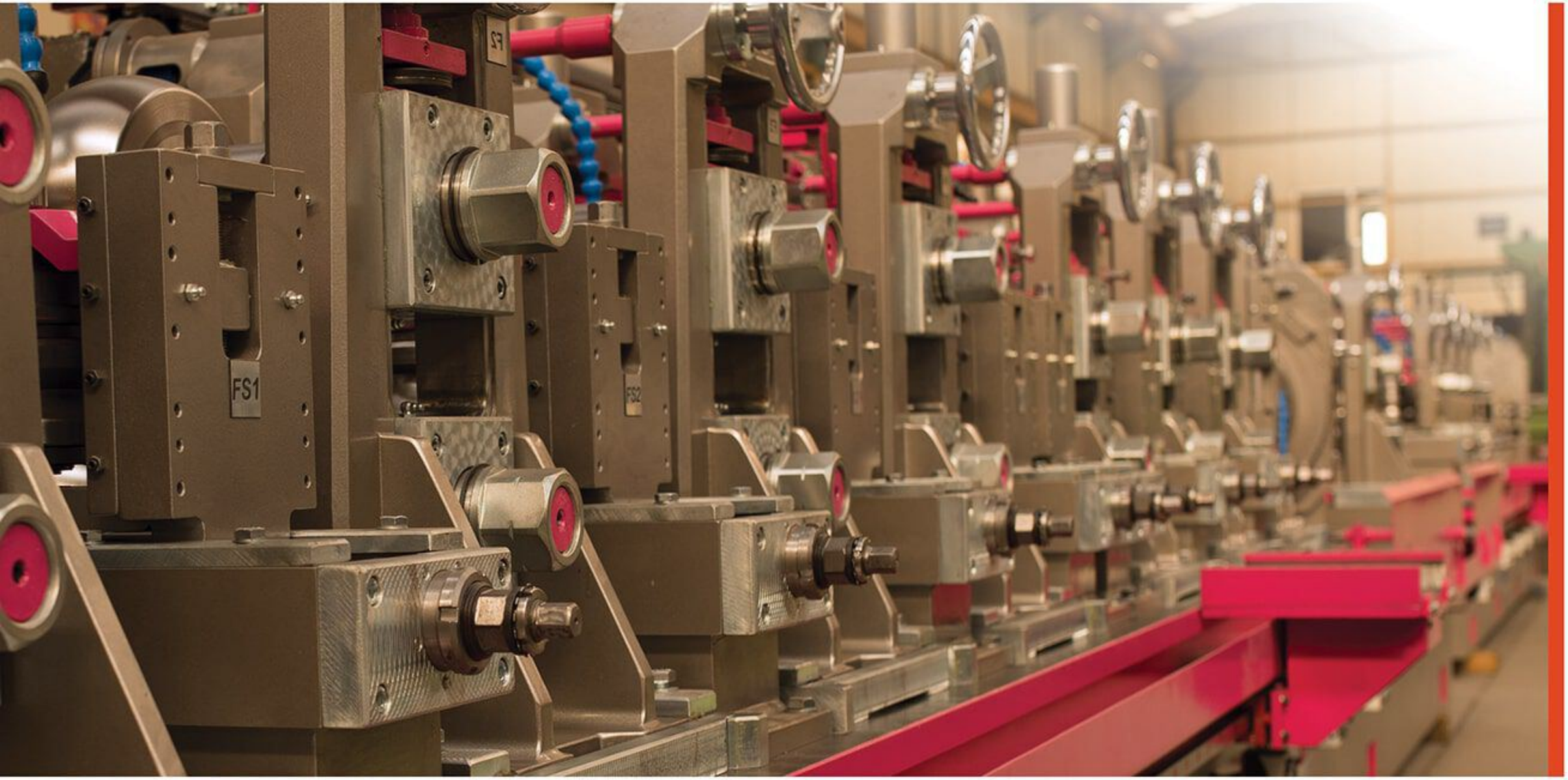
Speed up your production

automatic roller adjustment system
quick change options



boru & profil hatları

Tube Mills



boru & profil hatları
Tube Mills

We are proudly the largest Turkish manufacturer of a broad range of high-quality structural steel pipe and shaped tube machine in Turkey. Birlik Makina is able to Project manufacture and install turn-key plants for the production of pipes in the range of Ø10mm up to Ø406mm. O.D with quick change options. For shaped tubes (square and rectangular profile) please have a look at our product list.

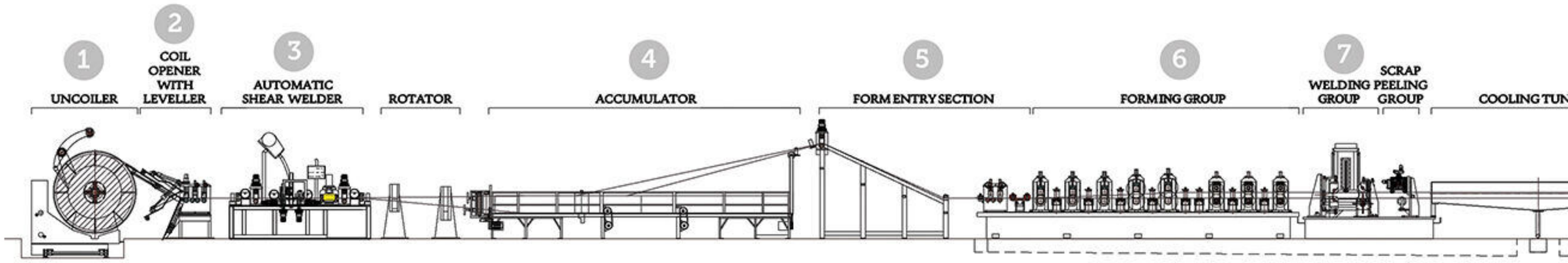




BTM 800

Ø 127 - 219
100X100 - 200X200
3,00 - 10,00

*dimensions are given in milimeters.



boru hattı birimleri

Parts of Tube Mills

Model List

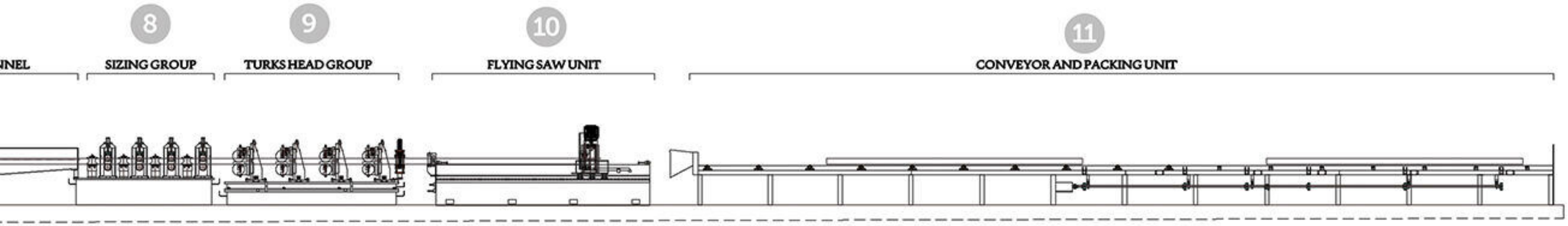
MODEL	THE MIN-MAX DIA OF PIPE (mm)	THE MIN-MAX DIA OF PROFILE (mm)	THE MIN-MAX THICK. OF STEEL PIPE (mm)	THE MIN-MAX THICK. OF STEEL PROFILE (mm)	THE MAX SPEED	MIN-MAX LENGTH OF PRODUCT
BTM 100	ø 10 - ø 32	10 X 10 - 25 X 25	0.50 - 1.50	0.50 - 1.20	160 M / Min	3000 mm - 7500
BTM 120	ø 13 - ø 38	10 X 10 - 30 X 30	0.60 - 2.00	0.60 - 1.50	150 M / Min	3000 mm - 7500
BTM 160	ø 16 - ø 51	15 X 15 - 40 X 40	0.70 - 2.50	0.70 - 2.00	140 M / Min	3000 mm - 7500
BTM 200	ø 21 - ø 63	20 X 20 - 50 X 50	0.80 - 3.00	0.80 - 2.50	130 M / Min	3500 mm - 8000
BTM 240	ø 25 - ø 76	20 X 20 - 60 X 60	0.80 - 3.50	0.80 - 3.00	120 M / Min	3500 mm - 8000
BTM 280	ø 32 - ø 89	25 X 25 - 70 X 70	1.00 - 4.00	1.00 - 3.50	110 M / Min	4000 mm - 8000
BTM 320	ø 38 - ø 102	30 X 30 - 80 X 80	1.20 - 6.00	1.20 - 5.00	100 M / Min	5000 mm - 12000
BTM 400	ø 51 - ø 127	40 X 40 - 100 X 100	1.50 - 6.35	1.50 - 6.00	90 M / Min	5000 mm - 12000
BTM 525	ø 89 - ø 168	70 X 70 - 120 X 120	2.00 - 7.00	2.00 - 6.00	80 M / Min	5000 mm - 12000
BTM 685	ø 114 - ø 219	90 X 90 - 150 X 150	2.50 - 8.00	2.50 - 6.00	70 M / Min	6000 mm - 12000
BTM 860	ø 140 - ø 274	110 X 110 - 200 X 200	3.00 - 10.00	3.00 - 8.00	60 M / Min	6000 mm - 12000
BTM 1000	ø 168 - ø 327	130 X 130 - 250 X250	3.00 - 10.00	3.00 - 8.00	50 M / Min	6000 mm - 12000
BTM 1275	ø 219- ø 406	150 X 150 - 300 X300	4.00 - 12.70	4.00 - 10.00	40 M / Min	6000 mm - 12000 mm

WE CAN PROJECT AND MANUFACTURE MACHINES WITH DIMENSIONS AND THICKNESSES DUE TO OUR CUSTOMER'S ORDERS

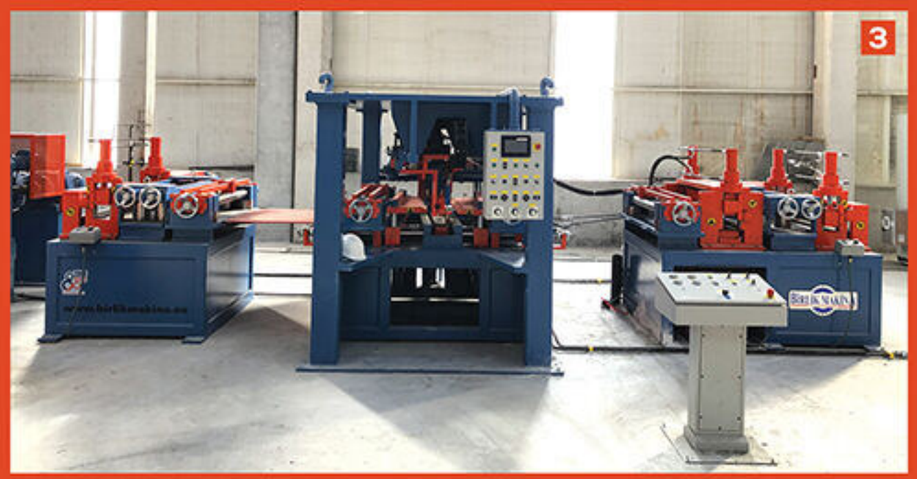
*dimensions are given in milimeters. Max. speed of lines are given for 6 mt. product lenght and material type is ST-37 (S-245)






8
9
10
11
NNEL
SIZING GROUP
TURKS HEAD GROUP
FLYING SAW UNIT
CONVEYOR AND PACKING UNIT


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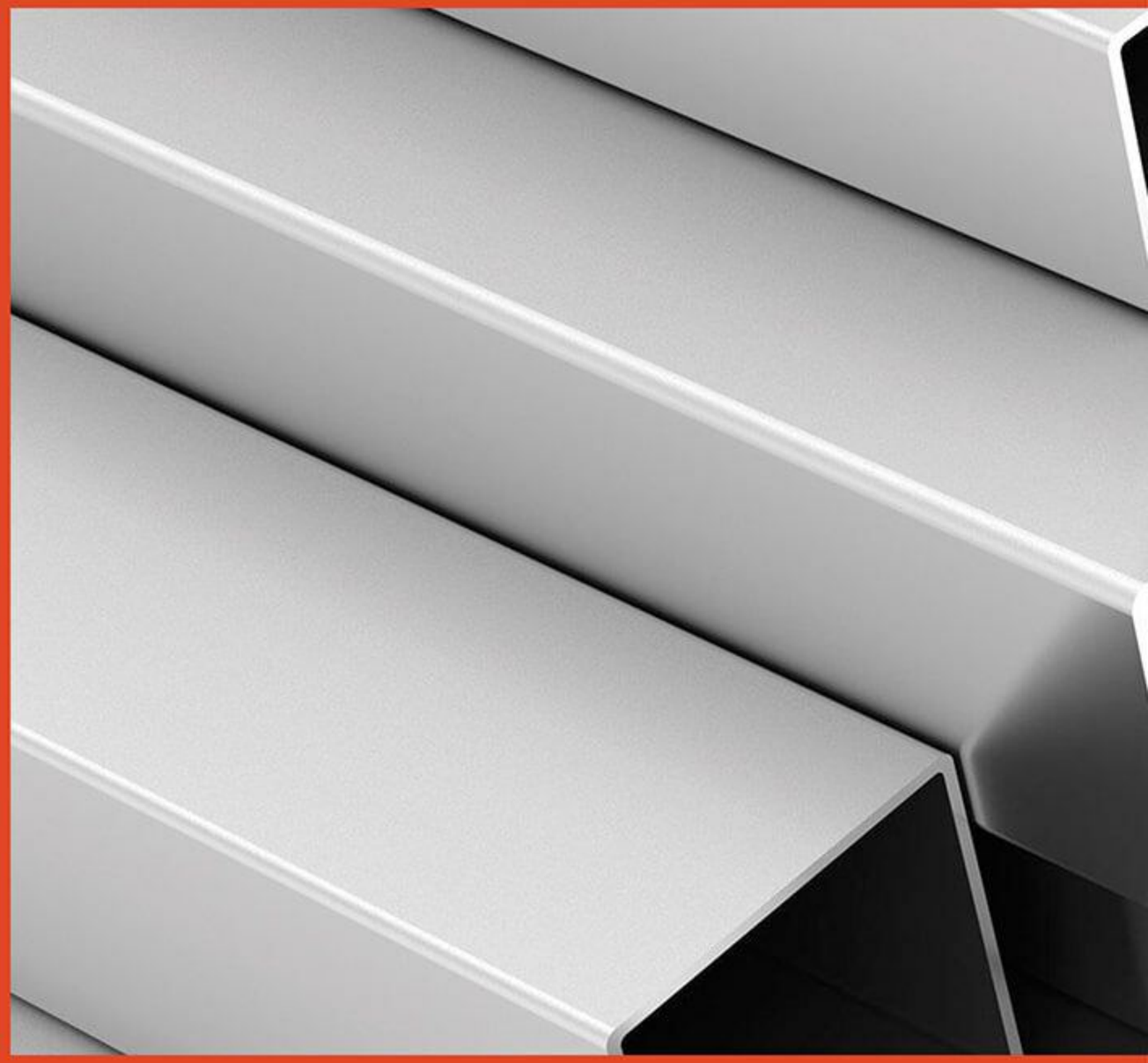

10


11

kalıp değişimi yok...

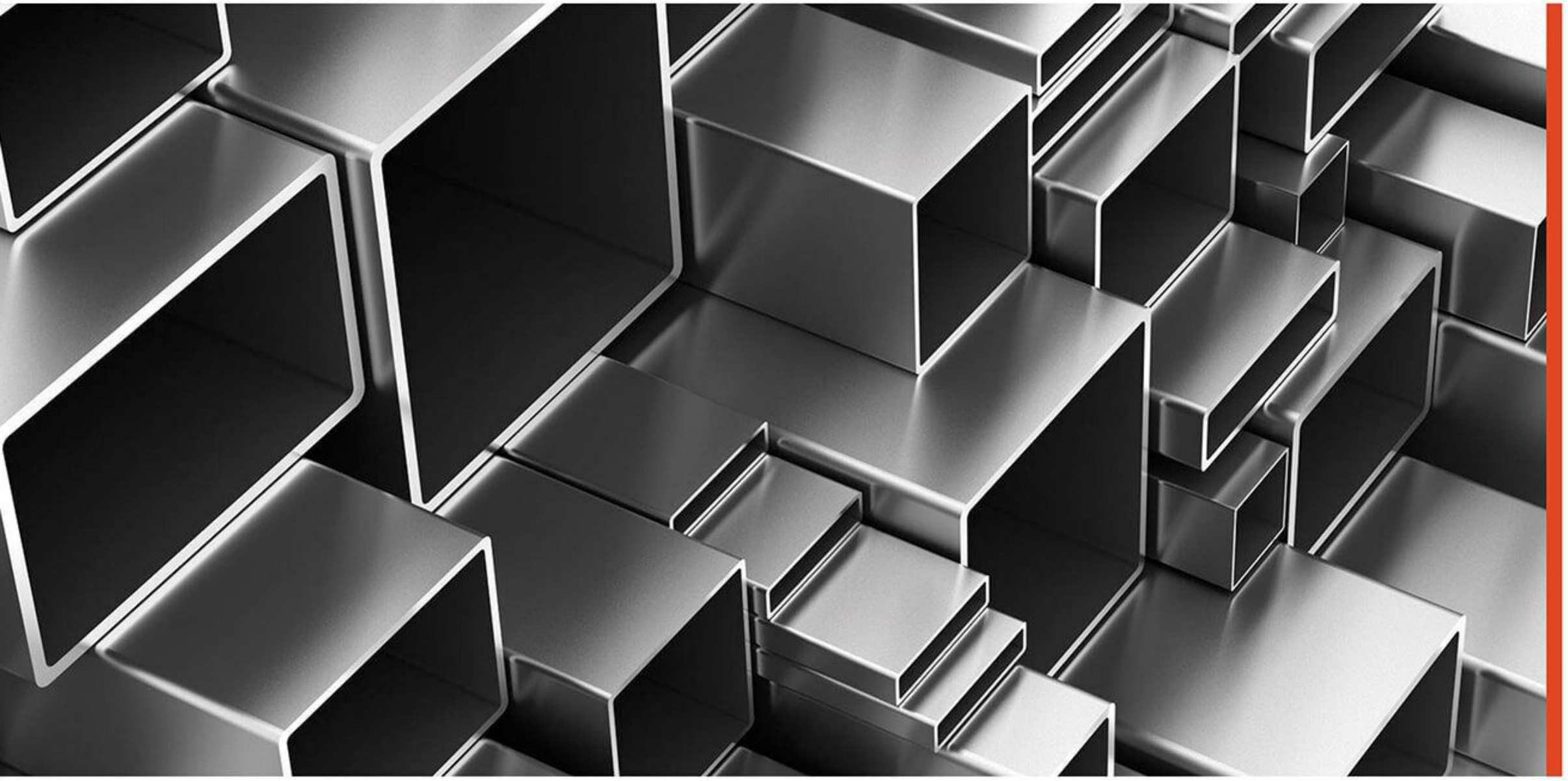
no roller change

all in one



direkt profil hatları

Direct Profile Lines



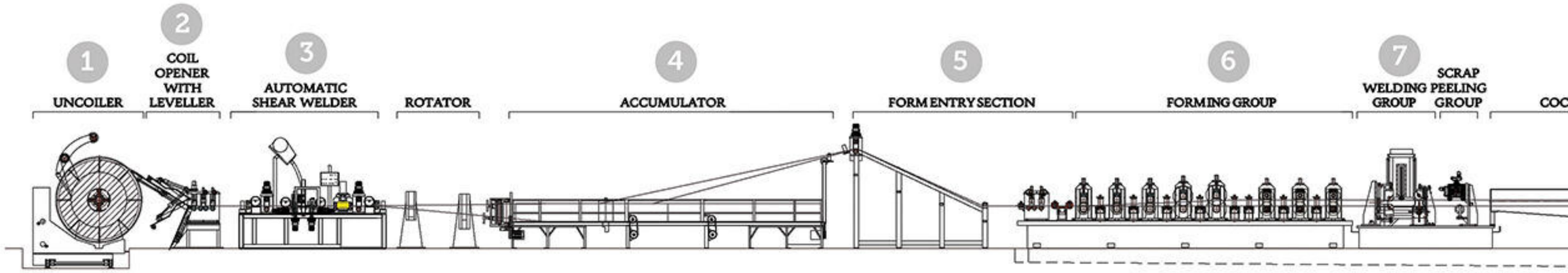
direkt profil hatları

Direct Profile Lines



FEATURES

- MODIFY THE PROFILE DIMENSIONS WITHOUT ANY ROLL CHANGE
- REDUCED SET-UP TIME FOR THE MILL
- REDUCED COST FOR FORMING ROOLS
- LESS MAN POWER
- EASY MAINTENANCE
- EASY USE OF SOFWARE FOR PRODUCTION PARAMETERS
- REDUCED STRIP WIDTH FOR SAME PROFILE PRODUCTION
- HIGH PRODUCTION CAPACITY



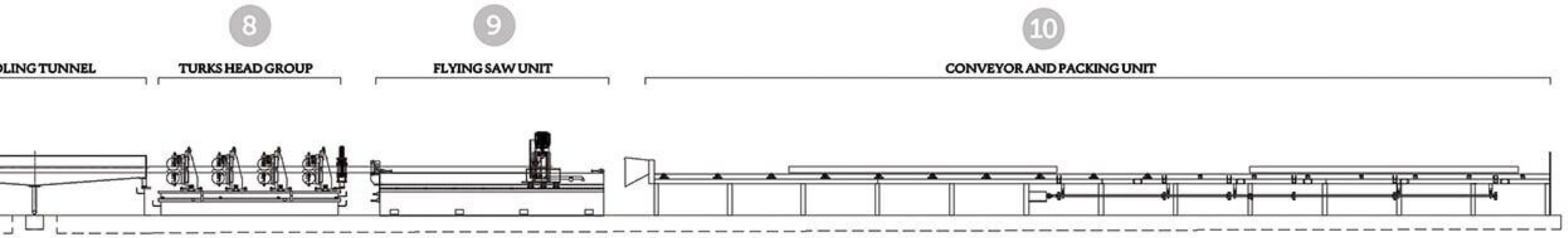
direkt profil hattı model listesi ve birimleri

Direct Profile Model List and its Parts

Model	PROFILE DIAMETERS (mm)		THICKNESS		MAX. SPEED (ST-52) (S-355)	MAX. SPEED (ST-37) (S-245)
	Min.	Max.	Min.	Max.		
BPL 200	20 x 20	50 x 50	1,10	2,50	110 mt/min.	130 mt/min.
BPL 240	25 x 25	60 x 60	1,35	3,00	100 mt/min.	120 mt/min.
BPL 320	30 x 30	80 x 80	1,50	4,00	90 mt/min.	105 mt/min.
BPL 400	40 x 40	100 x 100	2,00	5,00	80 mt/min.	90 mt/min.
BPL 480	50 x 50	120 x 120	2,00	6,00	70 mt/min.	80 mt/min.















be one
step ahead
daima bir adım önde









son teknoloji

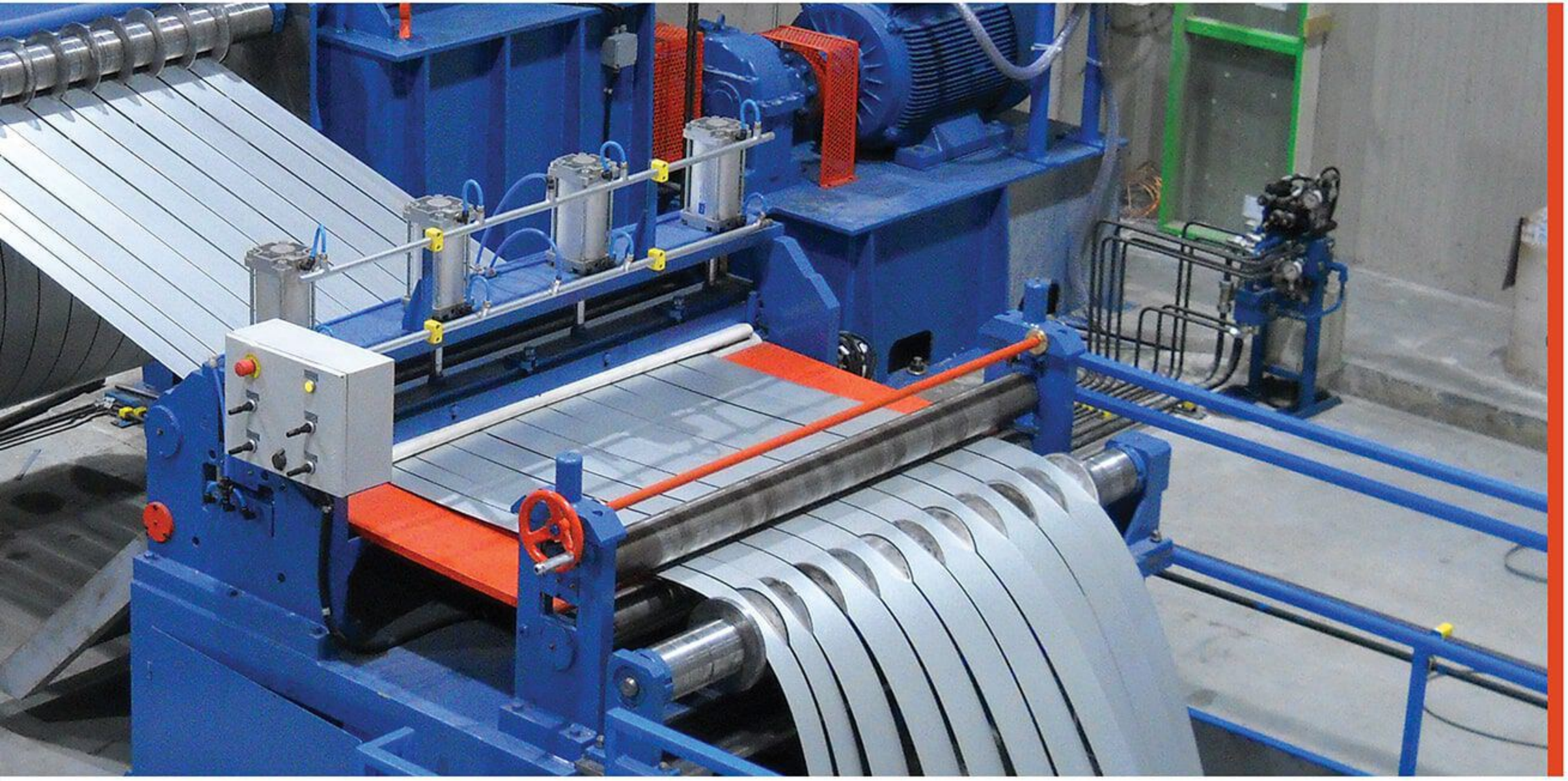
Ultimate technology

second slitting head
automatic coil tilting system
quick blade change
high production capacity



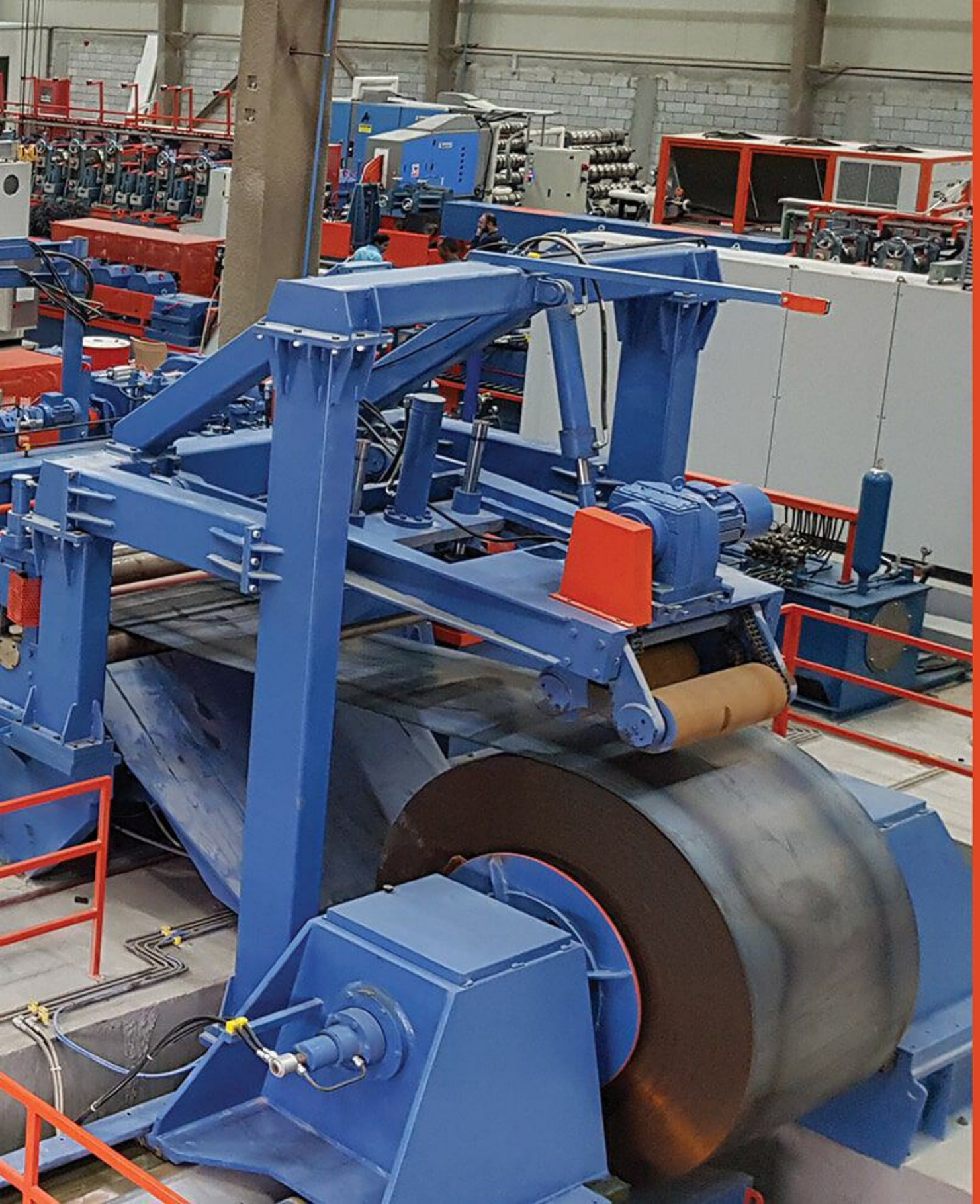
rulo dilme hatları

Coil Slitting Lines



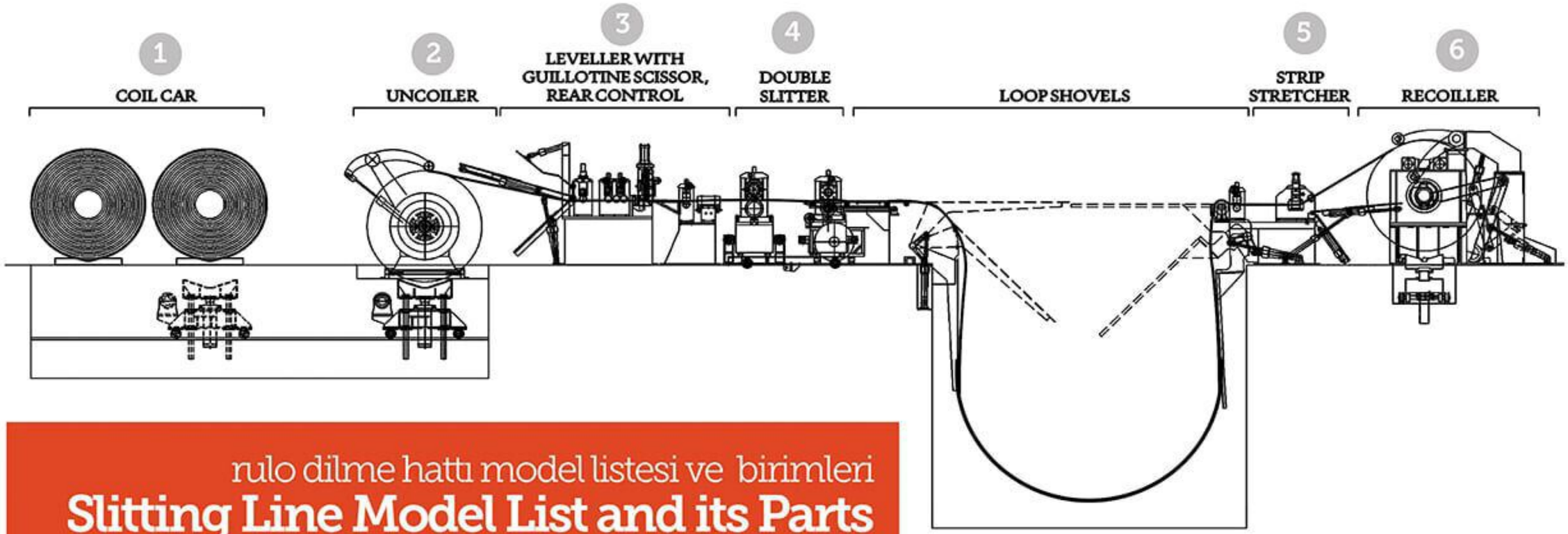
rulo dilme hatları

Coil Slitting Lines









rulo dilme hattı model listesi ve birimleri

Slitting Line Model List and its Parts

Number	SHEET THICKNESS		COIL WIDTH		COIL DIAMETERS		COIL WEIGHT	STRIP COIL INNER DIA.	MAXIMUM SPEED
					INNER	OUTER			
	Min.	Max.	Min.	Max.	Min.	Max.	Tons	(mm)	(mt./min.)
1	0.50	2.00	500 mm	1600 mm	508-610	1600	16	508	220
2	0.80	3.00	500 mm	1600 mm	508-610	1800	18	508	180
3	1.00	4.00	700 mm	1600 mm	508-800	2000	20	508	150
4	1.50	6.00	800 mm	1600 mm	508-900	2200	25	508	120
5	2.00	8.00	800 mm	2000 mm	610-900	2200	30	610	55-100
6	3.00	10.00	900 mm	2000 mm	610-900	2200	30	610	50-90
7	4.00	12.00	900 mm	2000 mm	610-900	2200	30	610	40-75

DIMENSIONS ARE GIVEN IN MILIMETERS


1


2


3


3

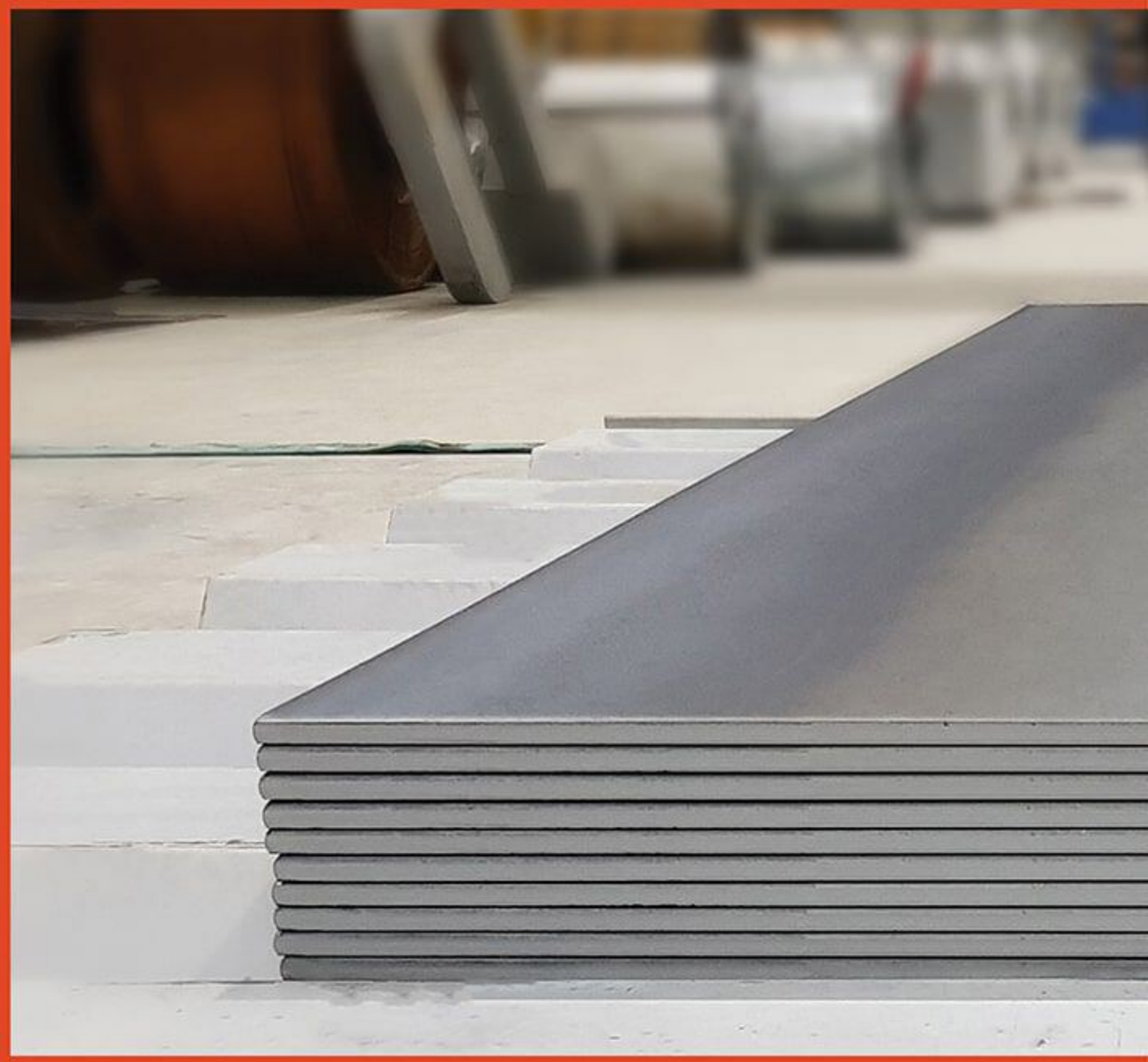

4


5


6



good flatness of sheets



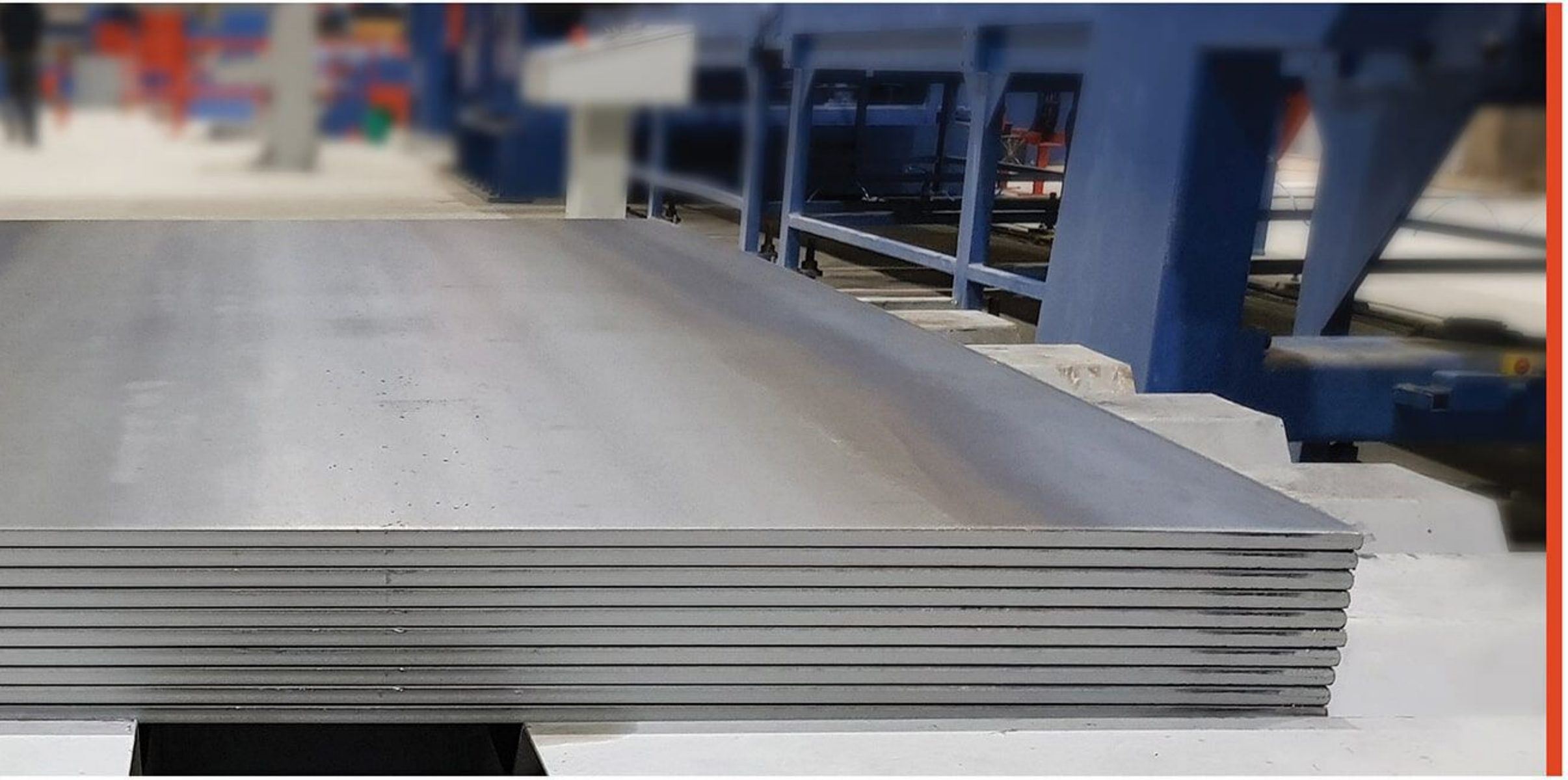
Coil weight
up to 40 t

Strip width
2,500 mm

Thickness range
between 0,5 and 16mm

rulo boy kesme hatları

Coil Cut to Length Lines



rulo boy kesme hatları

Coil Cut to Lenght Lines

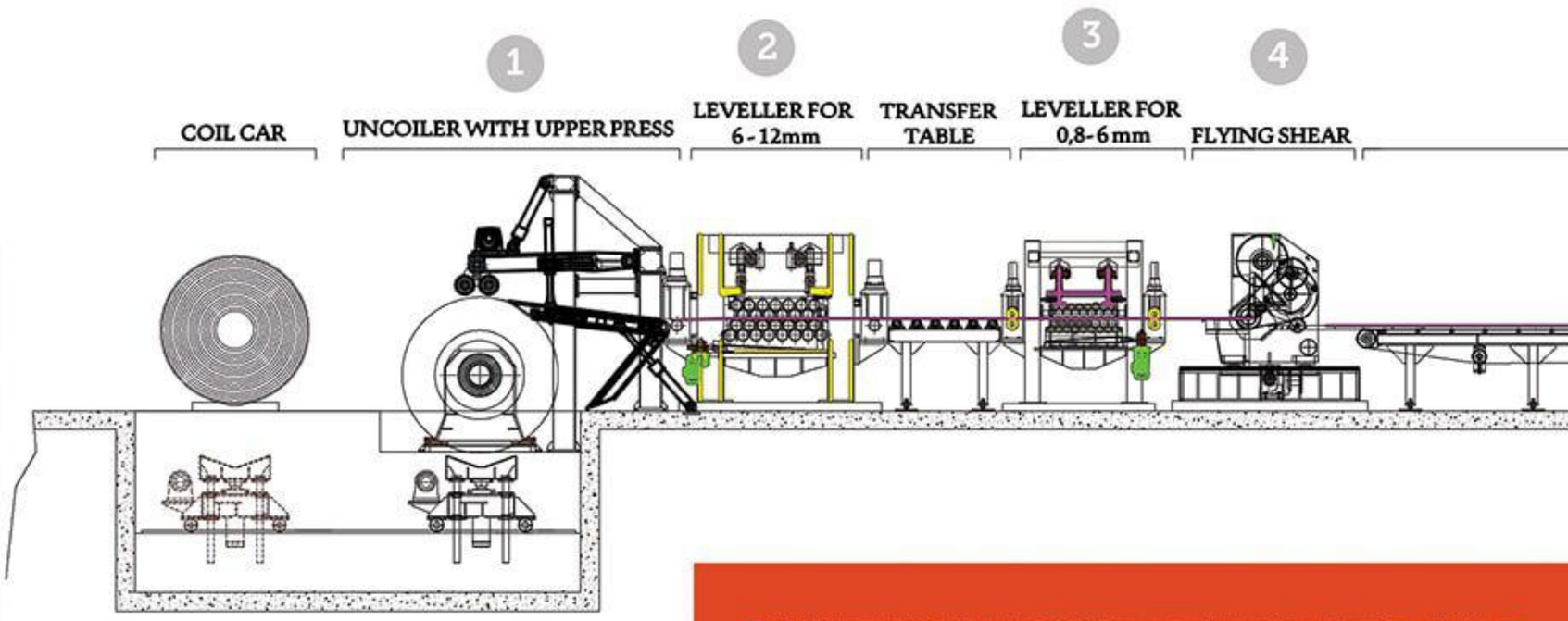






rulo boy kesme hattı
model listesi ve hat birimleri

Cut to Length Lines
Model list and its Parts



Number	SHEET THICKNESS (mm)		COIL WIDTH		COIL DIAMETERS		COIL WEIGHT	MAXIMUM SPEED
					INNER	OUTER		
	Min.	Max.	Min.	Max.	Min.	Max.	Tons	(mt./min.)
1	0.50	2.00	500 mm	1600 mm	508-610	1600	16	60
2	0.80	3.00	500 mm	1600 mm	508-610	1800	18	50
3	1.50	5.00	700 mm	1600 mm	508-800	2000	20	40
4	2.00	6.00	800 mm	1600 mm	508-900	2200	25	35
5	3.00	8.00	800 mm	2000 mm	610-900	2200	30	32
6	4.00	10.00	800 mm	2000 mm	610-900	2200	30	30
7	5.00	12.00	900 mm	2000 mm	610-900	2200	30	25
8	6.00	16.00	900 mm	2000 mm	610-900	2200	30	20

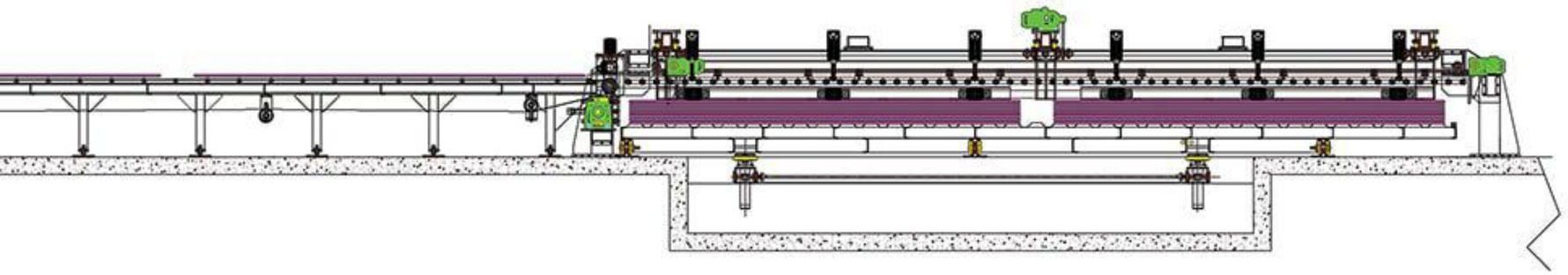


5

CONVEYOR

6

AUTOMATIC PACKING UNIT



be one
step ahead
daima bir adım önde









tek kafa soğuk testere

Single Head Cold Saw

FEATURES;

- Ø 10 to Ø 168 mm O.D (thickness from 0,50mm up to 7,00mm)
- REACH 160 Meter/Min.
- SUPERIOR PRODUCT QUALITY.
- LESS MAINTENANCE AND OPERATION COST.
- LONGER TOOL LIFE.
- QUICK CHANGE SAW BLADE.
- REDUCED TIME FOR CLAMP REPLECAMENT.
- LESS VIBRATION.
- CAN BE OPERATED EITHER BY "HSS" AND "TCT" SAW BLADES.
- EASY-TO-USE. PC BASED GRAPHIC INTERFACE.



çift kafa (orbital) soğuk testere

Orbital Cold Saw

FEATURES;

- Ø 89 to Ø 274 O.D (thickness from 2,00mm up to 12,00mm)
- REACH 70 Meter/Min.
- SUPERIOR PRODUCT QUALITY.
- LESS MAINTENANCE AND OPERATION COST.
- LONGER TOOL LIFE.
- QUICK CHANGE SAW BLADE.
- REDUCED TIME FOR CLAMP REPLECAMENT.
- LESS VIBRATION.
- CAN BE OPERATED EITHER BY "HSS" AND "TCT" SAW BLADES.
- EASY-TO-USE. PC BASED GRAPHIC INTERFACE.

yüksek frekans kaynak makinesi

Solid State High Frequency Welders

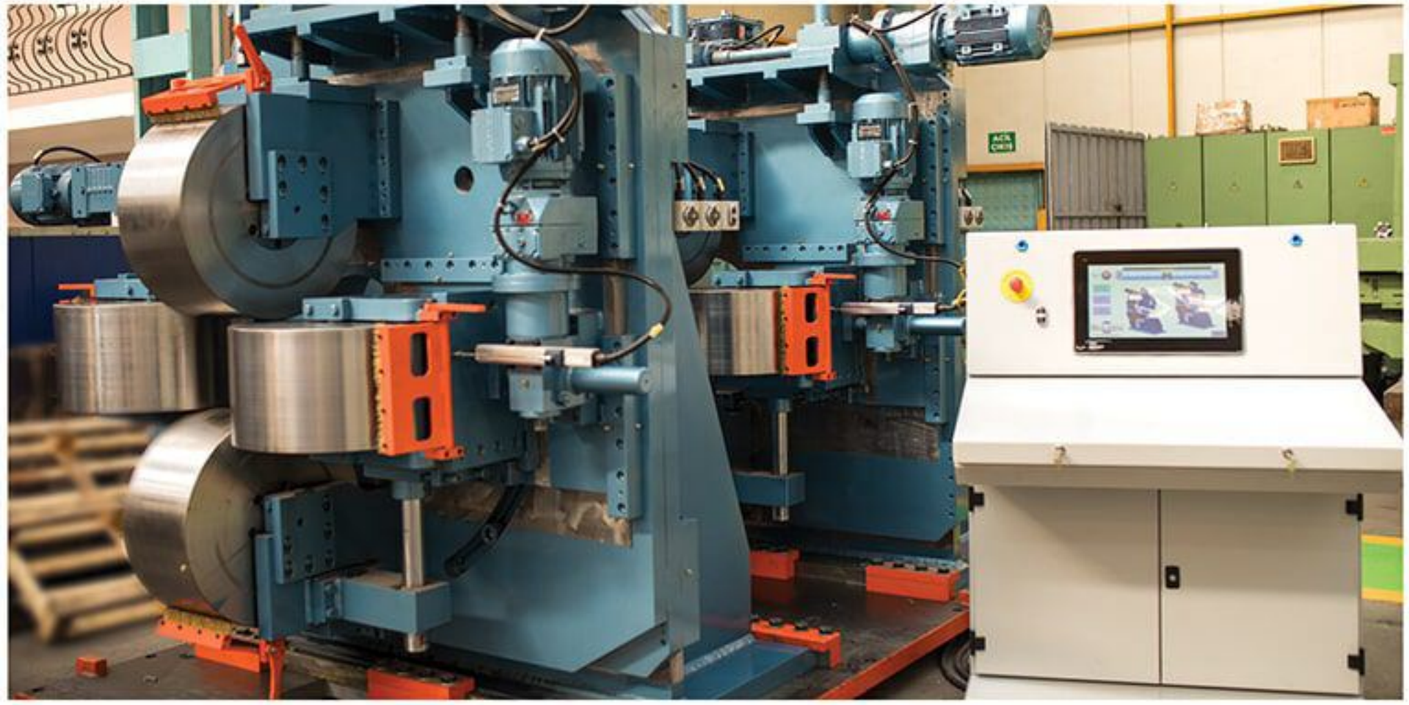
Designed for continuous
ERW on steel pipe and profile machines

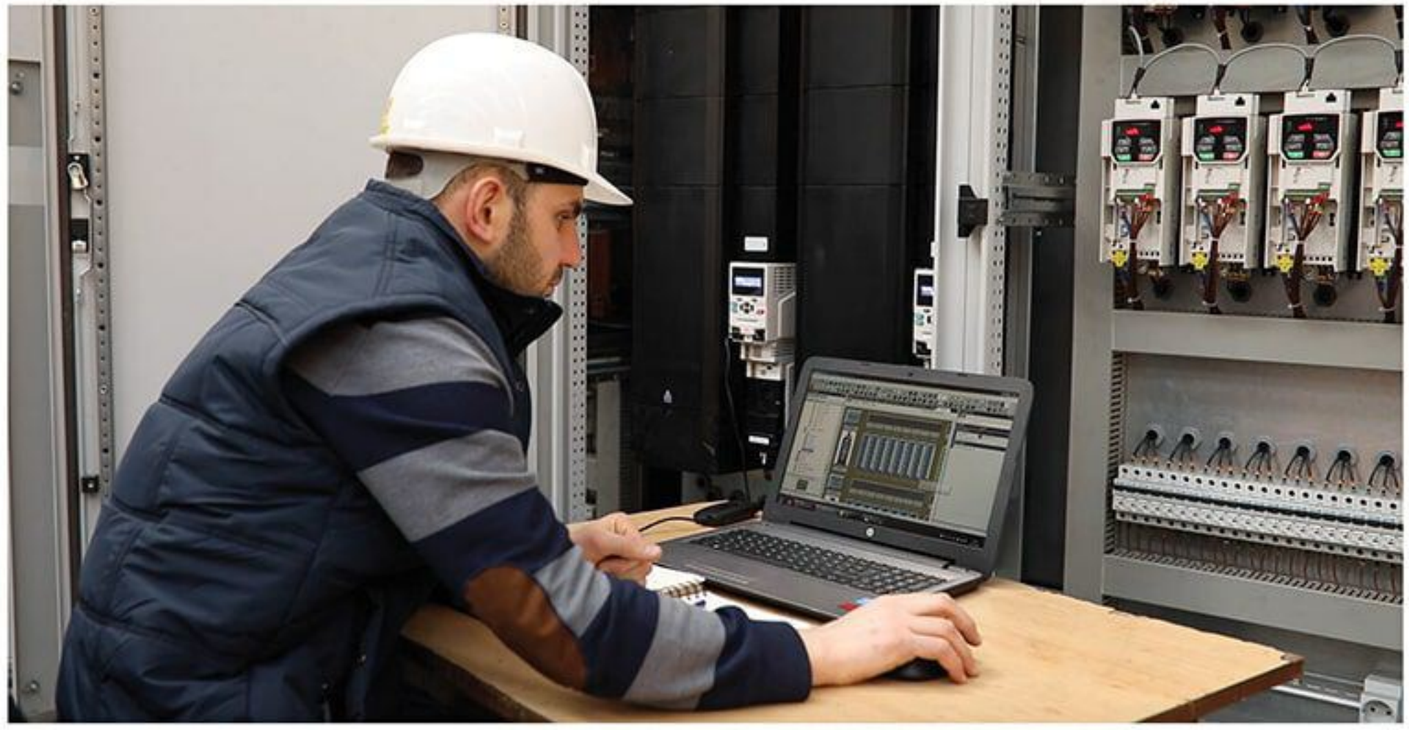




Specification ;
High efficiency > 85 %
PLC Controlled working system
DC filtre system for perfect welding quality
Graphic screen operator pannel
3 axis movable stand for quick and easy connection
Moduler card system consist of mosfets that is secure and requires less care
Automatching system
100 - 500 kW power range,
200 - 400 kHz Frekans range
Cooling Water system
High user security owing to low voltage level.

otomasyon & hidrolik sistemleri
Automation & Hydraulic Systems









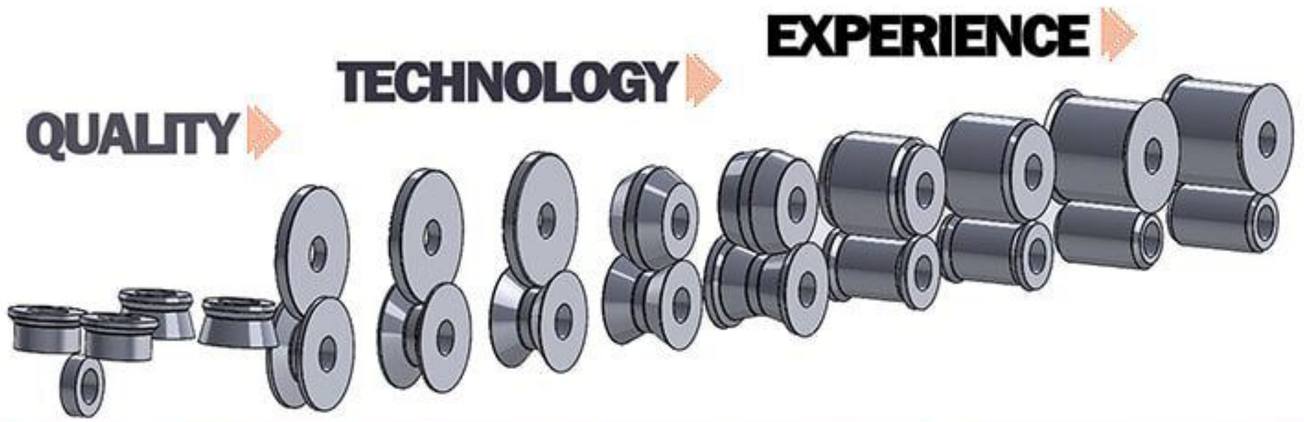
Parker

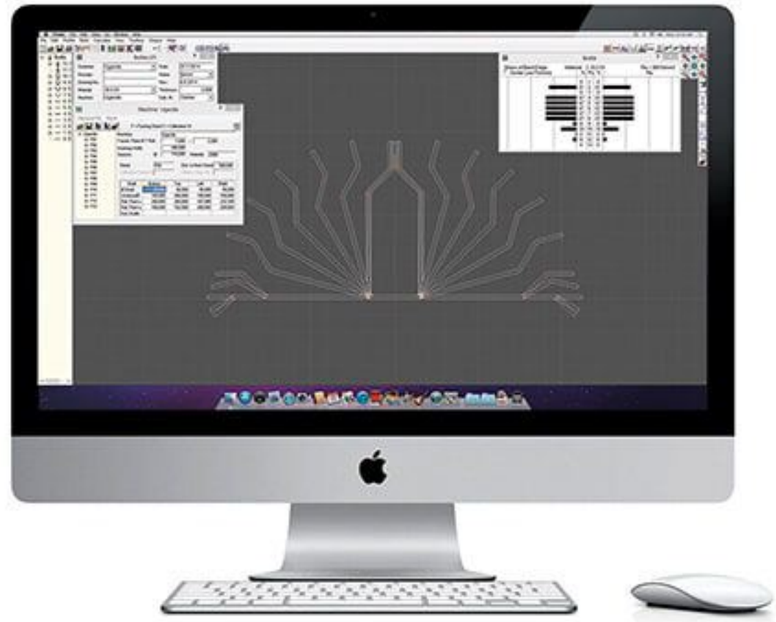
EMERSON
Industrial Automation

Our machineries automation and hydraulic system, are produced from the worldwide well known european products. Beside our mechanical quarantee, we also provide 1 year full quarantee for our auromation systems. The machineries installation, start up and first run tests are done by our professional teams. And required basic educations are given by our engineers to the customers side.

açık profil hattı

Open Profile Line



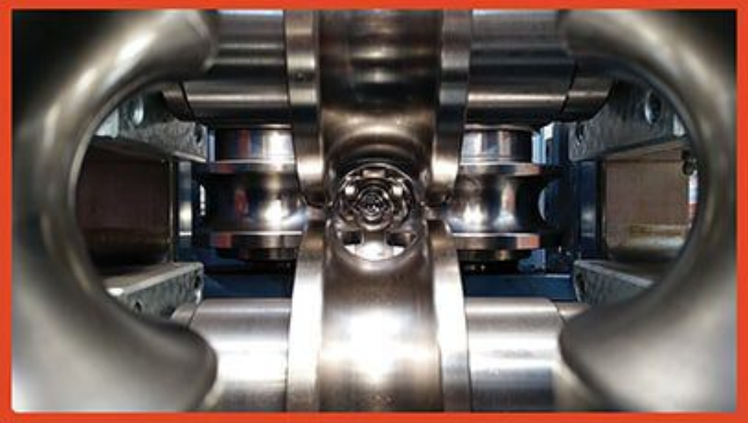




We have special roll form design software.We can design and manufacture all kind of open profile rollers and seamed tubes or profiles from sheet metal.

kalıplar, bıçaklar, plastik ayırıcılar

Rollers, Knifes, Sperators









40'dan fazla ülkeye ihracat

we have exported our machines more than 40 counteries

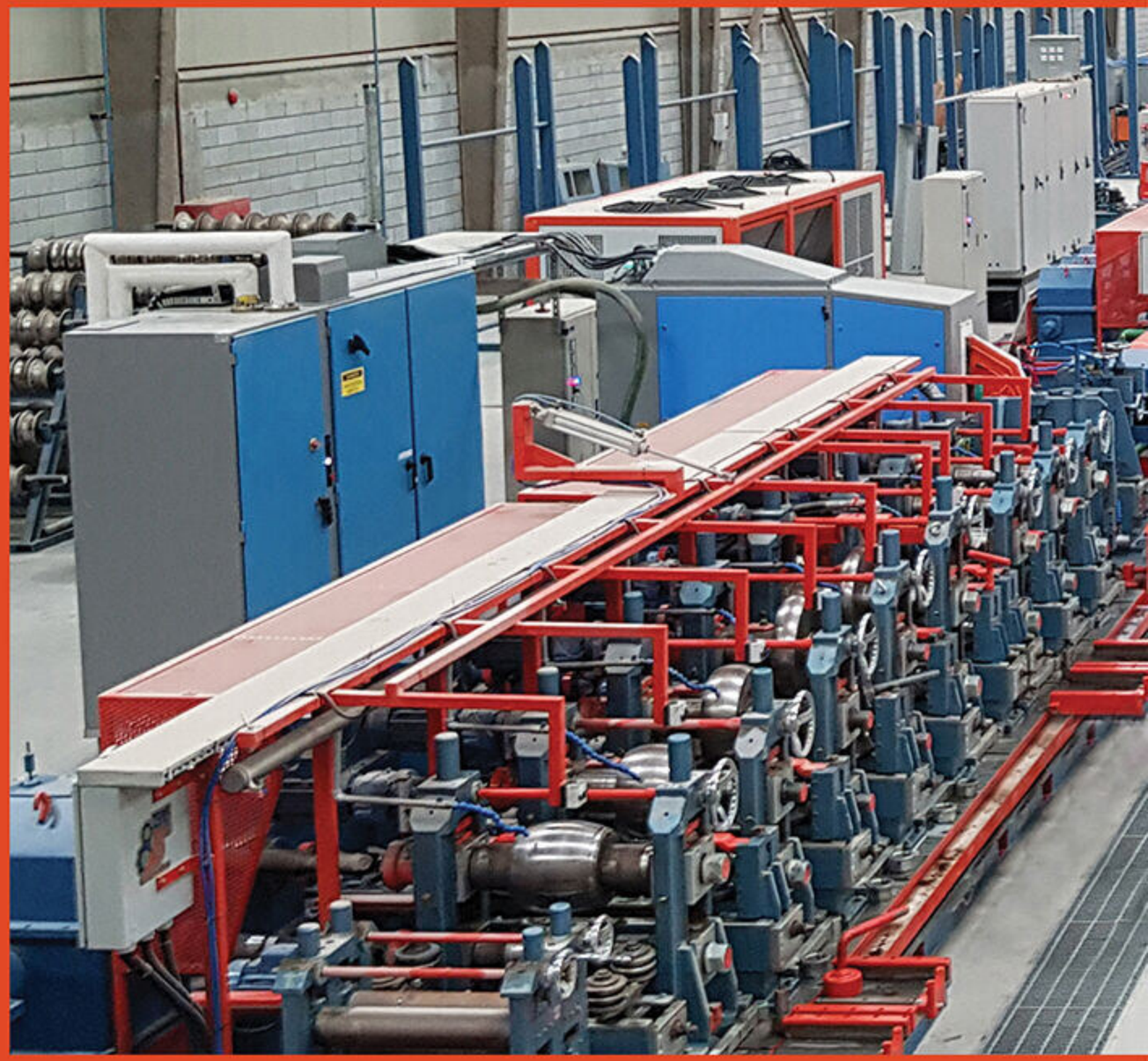
400'den fazla çalışan hat

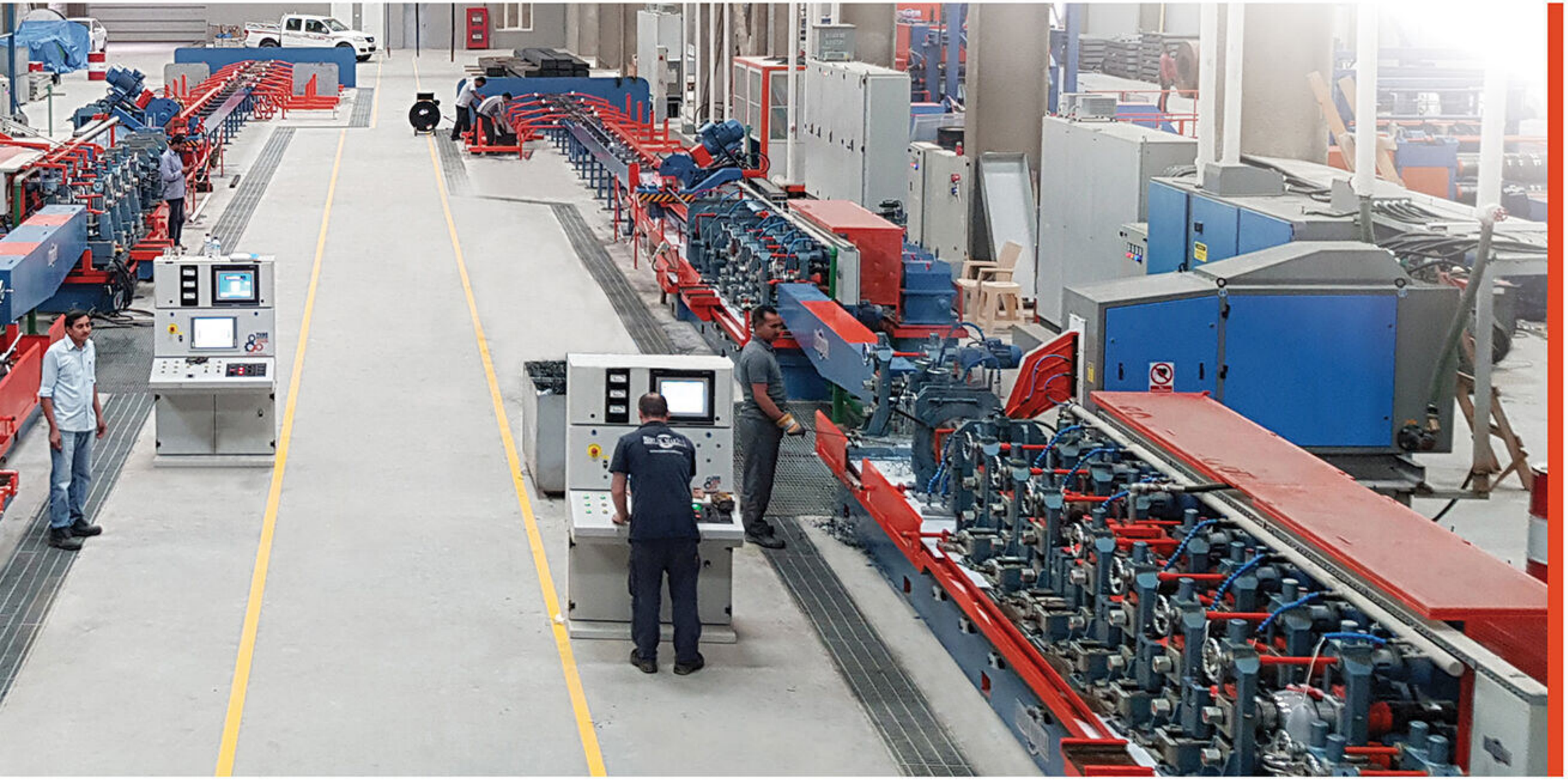
more than 400 working lines all around the world




ÇELİKOR
BİRLİK MAKİNA


WARRANTY
2
YEAR
WARRANTY





BİRLİK MAKİNA

Factory Mollabey Yolu Üzeri 4.Km
Alaplı/Zonguldak/TÜRKİYE

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