

Alligator Shear



ALLIGATOR SHEARS				
MODEL		AS 320i	AS 500i	AS 500iF
BLADE LENGHT	mm	320	500	500
BLADE OPENING	mm	120	235	235
DRIVING POWER	kW	7,5	7,5	11
MACHINE WEIGHT	kg	750	1.500	1.500
CUTTING CAPACITY	ROUND	mm	30	40
	SQUARE	mm	25 x 25	35 x 35
	CUTS PER MINUTE	1 / min.	30	15 - 20
CONTROL		Foot Pedal	Foot Pedal	Foot Pedal
OVERALL DIMENSIONS		A x B x C (mm)	750 x 1300 x 1650	950 x 1310 x 2250

ALLIGATOR SHEARS				
MODEL		AS 500GF	AS 750	AS 900
BLADE LENGHT	mm	500	750	900
BLADE OPENING	mm	235	350	440
DRIVING POWER	kW	15	22	37
MACHINE WEIGHT	kg	1.600	4.700	5.000
CUTTING CAPACITY	ROUND	mm	50	75
	SQUARE	mm	45 x 45	70 x 70
	CUTS PER MINUTE	1 / min.	25	10 – 15
CONTROL		Foot Pedal	Foot Pedal	Foot Pedal
OVERALL DIMENSIONS		A x B x C (mm)	950 x 1310 x 2250	1150 x 1800 x 3150



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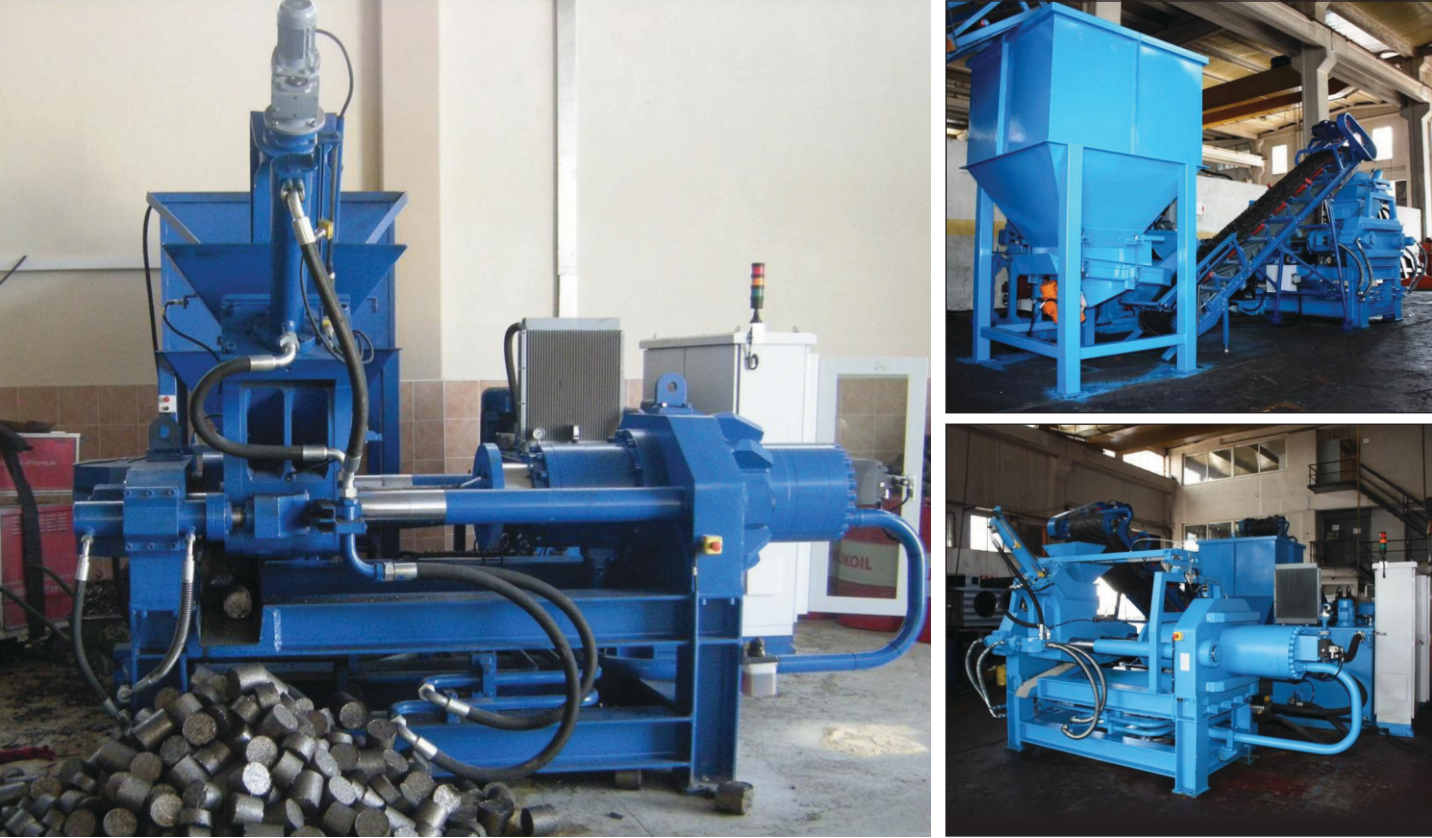


ELECTROTHERM
OFFERS WIDE RANGE OF
SCRAP PROCESSING EQUIPMENTS
From Birim Makina, Turkey



ELECTROTHERM[®]
The Leader in Steel Melt Shop and Foundry Technology

Briquetting Machine



TECHNICAL SPECIFICATIONS

MODEL	Unit Of Measurement	BP 70	BP 90	BP 105	BP 120	BP 140
Briquette Diameter	mm	Ø70	Ø90	Ø105	Ø120	Ø140
Briquette Length	mm	50 - 120	50 - 120	80 - 150	80 - 150	80 - 150
Briquette Weight	Kg	1.5 - 3.5	4.0 - 7.0	5.0 - 8.0	6.0 - 11.0	9.0 - 14.0
Briquette Density	Fe(Kg/dm³)/ Al(Kg/dm³)	4.2 - 5.5/ 2.1 - 2.4	4.2 - 5.5/ 2.1 - 2.4	4.2 - 5.5/ 2.1 - 2.4	4.2 - 5.5/ 2.1 - 2.4	4.2 - 5.5/ 2.1 - 2.4
Capacity	Fe(ton/hour)/ Al(ton/hour)	0.3 - 0.6/ 0.1 - 0.2	0.9 - 1.8/ 0.3 - 0.6	1.2 - 2.0/ 0.4 - 0.7	1.8 - 3.0/ 0.6 - 1.0	2.7 - 3.8/ 0.9 - 1.3
Motor Power	kW	15	75	75	75	90
Clamp Compression	ton	15	60	60	60	80
Compression Force	ton	150	300	300	300	500
Working Pressure Max	bar	300	300	300	300	320
Cycle	second	20	11	11	11	15
Machine Weight	ton	4	12.5	13	13	30
Control		PLC	PLC	PLC	PLC	PLC

PLC based Control Panel

Process can be clearly seen on the screen of the control panel. Trouble shooting time is shortened by this feature.

Design - Production

Designed with the latest CAD-CAM software. Critical parts are tested and simulated by the software before putting in operation.

High Quality Parts

Hydraulic equipments from Rexroth and Parker, electrical equipments from Siemens and Telemecanique.

Fully Automatic Control

Press operates fully automatically and when needed it can be switched to manual mode. Touch screen on the control panel enables efficient operation and fast trouble shooting.



Alligator Shear



Durability

Due to excellent design and construction, Birim Makina bales are extremely durable.

High Quality Cylinders

Birim Makina balers are manufactured using high quality cylinders. Rods are hardened and chrome coated while the pipes are honed. Technical knowledge derived from years of experience and expertise ensures high operational life of cylinders.

Wear Resistant

All surfaces that are in contact with scrap (charging-box, rams, lids) are covered with Hardox type wear resistant liner plates. The wear plates are connected to the press box by countersunk screws. This helps in replacing the plates easily and quickly after normal wear.

Electric System

The latest Siemens and Telemecanique components are used in the electrical system.

TECHNICAL SPECIFICATIONS

MODEL	UNIT OF MEASUREMENT	TIGER 66-20 F
Press Box	cm	200 x 250 x 120
W x L x H	m³	6
Bale Size		60 x 60
Motor Power	kw	2 x 90
Lid (1. Compression)	Force(ton)	145
	Cylinder ø mm	250
Front (2. Compression)	Force(ton)	210
	Cylinder ø mm	300
Side (3. Compression)	Force(ton)	290
	Cylinder ø mm	350
Cycle (Dry)	second	60
Machine Weight	ton	58
Working Pressure	bar	300

Scrap Baler Press

