



Design and Manufacture of Stone Processing Industry Machinery

Since 1991 until 2022



ATLAS MACHINE Company has started its work since 1991 under the name of "HAGHIGHAT NOO Industrial Group" for the aim of manufacturing, development and optimization of stone processing machines. Commitment, service guarantee, experience of industry professionals, high quality manufacturing, and precision in the installation and best delivery time and appropriate after-sales services has made it one of the most prominent manufacturers of stone industry machines over the years.

The need for the stone processing industry to make advanced and modern machines for producing quality products and exports, has led the company to step up with the ever-increasing scientific level and efforts to optimize machines and design modern machinery has taken a long and steady step towards the development of these goals.

ATLAS MACHINE Company started the development of products with research and development in 2013 with the aim of constructing gang saw machine with the hydrostatic guider and designed and produced the first saw machine with this mechanism in Iran.

At present, ATLAS MACHINE Company with a portfolio of high quality and competitive products, has gained the right place and increased share in the market of this industry and has been able to provide new quality of devices and services throughout Iran.



TECHNICAL DATA

specification	Property	
Max. number of blades	N	87
Blade dimension	mm	4450×180
Max. block width	mm	2100
Max. block length	mm	3250
Max. block height	mm	2100
Number of rounds per minute	n/min	90
Blade stroke	mm	800
Main motor power	KW (hp)	132(185)
Wagon motor power	KW (hp)	2.2(3)
Rapid raising/descending motor power	KW (hp)	11(15)
Slow raising/descending motor power	KW (hp)	1.5(2)
Rapid raising/descending speed	cm/min	20
Slow raising/descending speed	mm/h	50-350
Machine width	mm	4800
Machine length	mm	13500
Machine height	mm	5200
Water requirement	Lit/min	800
Total Machine weight	Kg	60000

ATLAS gang saw

ATLAS gang saw has been designed for cutting Marble. This machine has excellent performance in cutting speed and quality due to the movement of the frame supporting the blades on four linear guides with hydrostatic lubrication and the bushing and the shaft system.

- Create the lowest vibration at high speeds
- Low energy due to low frictional force
- Controlling various forces caused by cutting the stone and creating a uniform surface when cutting slabs



GM-2180



ATLAS Gang Saw
with hydrostatic guides

ATLAS slab polishing machine

A full-automatic Slab Polishing with 8 to 16 spindles is ideal for rubbing marble stones up to a width of 2100 mm. All details are carefully designed to provide high performance, high quality and low consumption of polishing abrasives, excellent performance along with reduced energy consumption.



TECHNICAL DATA

Specifications	unit	08	10	12	14	16	18
length	mm	8210	9370	10530	11690	12850	13050
Width	m	3.35	3.35	3.35	3.35	3.35	3.35
Height	m	2.4	2.4	2.4	2.4	2.4	2.4
Max. polishing width	mm	2100	2100	2100	2100	2100	2100
Number of spindles	N	8	10	12	14	16	18
Min./Max polishing thickness	mm	10-80	10-80	10-80	10-80	10-80	10-80
Abrasive spindle diameter	mm	540	540	540	540	540	540
Linear speed of bridge	m / min	0-45	0-45	0-45	0-45	0-45	0-45
Machine weight	kg	18500	20000	21500	23000	24500	26000
Belt movement power	KW (hp)	2(3)	2(3)	3(4)	3(4)	3(4)	3(4)
Spindle motor power	KW (hp)	11(15)	11(15)	11(15)	11(15)	11(15)	11(15)
Bridge movement power	KW (hp)	3(4)	3(4)	4(5.5)	4(5.5)	4(5.5)	4(5.5)
Min./Max belt speed	m / min	0-4	0-4	0-4	0-4	0-4	0-4
Water requirement	Lit / min	290	350	410	470	530	580

PM-2100



ATLAS slab polishing machine
strong and reliable with full automatic control

TECHNICAL DATA

specification	Property	
Dimension of the work table	mm	3200x2000
X-axis travel	mm	3600
Y-axis travel	mm	2500
Z-axis travel	mm	400
Max. Workable thickness	mm	185
Disc diameter	mm	625
Motor Speed	rpm	1450
Main motor power	KW	18.5-22
X-axis displacement speed	m/min	25
Y-axis displacement speed	m/min	22
Z-axis displacement speed	m/min	2.5
Machine width	mm	6000
Machine length	mm	3550
Machine height	mm	3100
Total Machine weight	Kg	5500

ATLAS Bridge Saw

ATLAS MACHINE Bridge Saw is for cutting marble and granite slabs.

the advantages of a metal structure are high strength and stability, which is recommended to prevent machine shake, as well as this, makes it easy to install and move this structure.

The bridge saw has a fixed table and rotary head, which increases the accuracy of cutting the stone and creating precise angles in the final cut.

Automatic water disc when cutting the metal cover for rails and wagons.

The Atlas bridge saw table opens up to 85 degrees, making it easy to loading the slabs on the machine, and it also has the required power to lift 8 slabs.



BS0-90



ATLAS Bridge Saw
Mechanical perfection,
technological precision





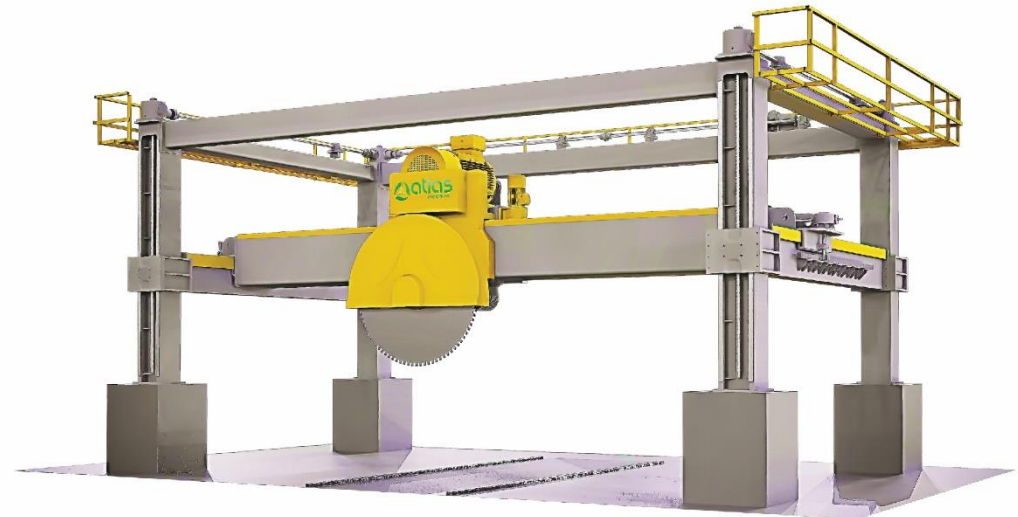
TECHNICAL DATA

specification		Property	
Maximum number of disks	N	3	30
Disk diameter	mm	1200-1600	1200-1600
Wagon Dimensions (Length x Width)	mm	1950 x 1950	1950 x 1950
Main engine power	KW (hp)	110 (150)	110 (150)
Bridge up-down movement motor power	KW (hp)	3 (4)	3 (4)
Bridge motor power (cm)	KW (hp)	2.2 (3)	2.2 (3)
Cabin forward-backward movement motor power	KW (hp)	3 (4)	3 (4)
Cutting speed	m ² / h	10-35	10-35
Cabin speed	m / min	2-4	2-4
Water requirement	Lit / min	550	550
Machine length	mm	9060	9060
Machine width	mm	5350	5350
Machine height	mm	4600	4600
Machine weight	kg	21000	21000

ATLAS block cutting machine

ATLAS MACHINE has built more than 200 block cutting machine in a variety of single-discs, 30 disks and floorboards. The specifications of this device can be high production, quality and high production capacity, easy to use with the lowest cost of repair and maintenance.

CM-1



CM-30



ATLAS block cutting machine
Simple and safe for cutting granite
and marble

ATLAS tile polishing machine

Full-automatic tile polishing machine with 8 to 18 heads is very suitable for rubbing marble and granite stones up to a width of 80 cm. All details are carefully designed to provide high performance.

Advantages and features of this device include low consumption of polishing abrasives, fully automated and modern electrical system, the use of foreign brands for the selection of standard components and pneumatic systems, the use of multi-layer PVC tape, use Solar gearbox and auto-lubrication of heads.

TECHNICAL DATA

Specifications	unit	08	10	12	14	16	18
length	mm	8210	9370	10530	11690	12850	13050
Width	m	3.35	3.35	3.35	3.35	3.35	3.35
Height	m	2.4	2.4	2.4	2.4	2.4	2.4
Max. polishing width	mm	800	800	800	800	800	800
Number of spindles	N	8	10	12	14	16	18
Min./Max polishing thickness	mm	10-80	10-80	10-80	10-80	10-80	10-80
Abrasive spindle diameter	mm	530	530	530	530	530	530
Machine weight	kg	17200	18500	20000	21500	23000	24500
Belt movement power	KW (hp)	2(3)	2(3)	2(3)	2(3)	2(3)	2(3)
Spindle motor power	KW (hp)	11(15)	11(15)	11(15)	11(15)	11(15)	11(15)
Bridge movement power	KW (hp)	2.2(3)	2.2(3)	2.2(3)	2x2.2(3)	2x2.2(3)	2x2.2(3)
Min./Max belt speed	m / min	1-7	1-7	1-7	1-7	1-7	1-7
Water requirement	Lit / min	290	350	410	470	530	580



PM-800



ATLAS tile polishing machine
Strong and reliable for marble & granite

TECHNICAL DATA

Specifications	unit	3+4	4+4	4+6
Length	m	8.5	9.1	10.5
Width	m	1.8	1.8	1.8
Height	m	2.2	2.2	2.2
Max. Crossing Stones width	mm	850	850	850
Number of caliber spindle	N	3	4	4
Number of polishing spindle	N	4	4	6
Min./Max. thickness	mm	10-60	10-60	10-60
Caliber head Diameter	mm	650	650	650
Polishing head Diameter	mm	530	530	530
Machine weight	kg	14100	15000	16800
Belt motor power	KW (hp)	3(4)	3(4)	3(4)
Caliber head motor power	KW (hp)	22(30)	22(30)	22(30)
Polishing head motor power	KW (hp)	11(15)	11(15)	11(15)
Bridge movement motor power	KW (hp)	2.2(3)	2.2(3)	2.2(3)
Min. /Max. belt speed	m / min	1.5-7	1.5-7	1.5-7
Water requirement	Lit / min	330	350	410

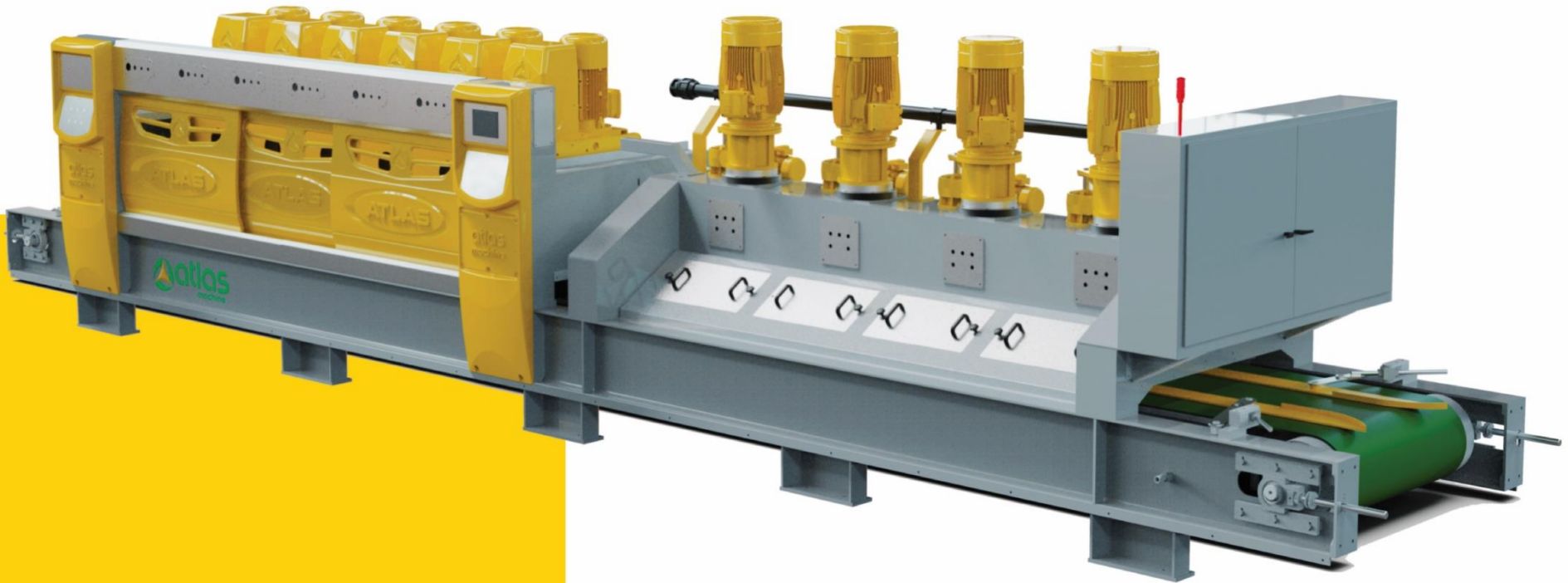
ATLAS tile caliber

A fully automatic tile caliber is suitable for smoothing the thickness and eliminating distortion on the stone and preparing it for repair and surface finish. This machine has a lot of effects on reducing the consumption of polishing abrasive on the machine and identifying small rocks.

One of the advantages of this device is the high speed of the device's caliber due to the direct connection of the caliber's dynamo to its head. A fully automatic and modern electrical panel, the use of valid foreign brands to choose standard components and pneumatic systems, the use of solar gearboxes, the use of PVC multi-layer band and automatic lubrication of spindle are other features of this device.



SP-46



ATLAS calibrating and polishing machine
Strong structure and reliable for marble stone

BT-30



ATLAS block Turnover
Safe and strong machine

ATLAS block turnover

This machine is an absolute new among the block turnover machines field, allowing the rotation of the blocks of the marble or granite on their own axis, up to 90°.

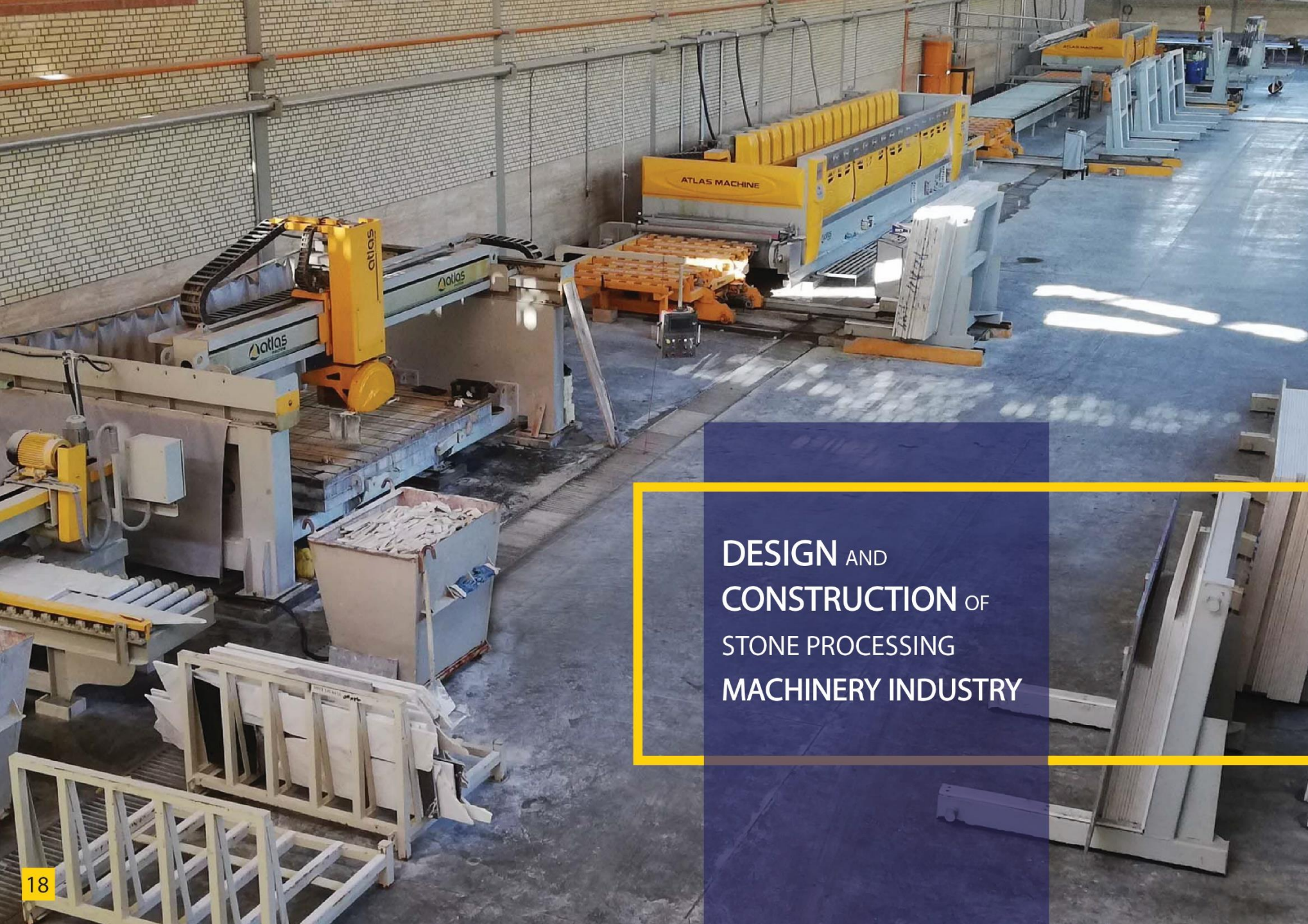
The basic feature are the very reduced dimensions, just a little bigger than those of the block to be rotated.

The use of this simple and solid machine can be performed by one operator only.

Very easy to handle and to be positioned and fixed on the ground, it is also very easy to transport and can be used either in processing plants or in quarries.

TECHNICAL DATA

specification	Property	
Weight capacity	ton	30
Belt motor power	KW (hp)	3(4)
Time of rotate	min	4
Length	m	2800
Width	m	1650
Height	m	3100
Machine weight	kg	3200



**DESIGN AND
CONSTRUCTION OF
STONE PROCESSING
MACHINERY INDUSTRY**



Design and Manufacture of Stone
Processing Industry Machinery

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