



Make Stone Processing Easier

Surface Treatment Series

Introduction



Multi-disc Calibration Machine

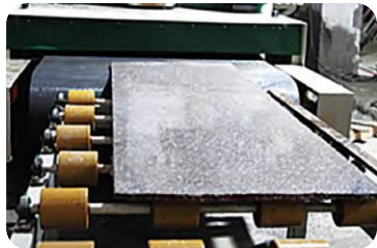
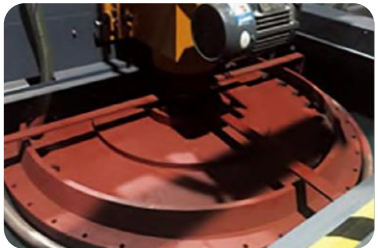
DFB-Y600/800/1000/1250(2T/4T/6T)



Introduction

This equipment can effectively eliminate the stone surface knife path mark to avoid the formation of waves on the surface of the plate, the finished product has high flatness, uniform thickness, suitable for stone plate and other fixed-thickness treatment and its surface processing, and can be composed of assembly line with automatic polishing machine equipment.

 The number of grinding heads is optional



Parameters

Name	Unit	DFB-Y1250 (2T)	DFB-Y1250 (4T)	DFB-Y1250 (6T)
Calibrating heads	No.	2	4	6
Working width	mm	300-1250	300-1250	300-1250
Working thickness	mm	10-50	10-50	10-50
Grinding head motor power	kw	22/30	22/30	22/30
Water consumption	L/min	150	160	180
Weight	kg	6800	12000	18000
Overall dimensions (L*W*H)	mm	4500*2300*2200	8580*2300*2200	11580*3530*2200



Fickert Type Polishing Machine Line

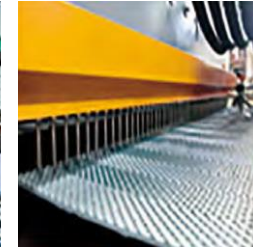
DFB-B8/10/12/16



Automatic Refueling Device



Electrical Controller



Inductor



Cleaning Brush

Introduction

This equipment adopts the domestic advanced design scheme and automatic control system, optional six-claw Bra pendulum grinding head, marble grinding disc, the whole machine is produced according to the standardisation, stable performance, high output, low failure rate, grinding effect luminosity high oily and good, suitable for high-value post-granite, marble plate continuous grinding and polishing.

Feature

- **Easy Handling:** Adopting PLC programmable control system and human-computer interactive operation interface, the operation is simple, and the equipment is equipped with fault prompts and abrasive consumption alarm system during the operation.
- **High Stability:** We choose high standard grade castings and steel materials, and use German, Japanese and Taiwan brand electrical appliances and high-end brand bearings to ensure the stable operation of the equipment.
- **Flexible Adjustment:** The working speed of the plate conveyor belt and the traversing beam of the grinding disc is regulated by a frequency converter, and the working pressure of the grinding disc and the grinding width of the plate are adjustable within the set value.
- **Automatic Recognition :** The shape of the plate can be recognised automatically, and each grinding disc (grinding head) can be lifted and lowered automatically according to the shape of the recognised plate, and at the same time the grinding of the plate can be tracked and recorded.

Parameters

Name	Unit	DFB-B8	DFB-B10	DFB-B12	DFB-B16
Number of heads	pcs	8	10	2	16
Grinding/Polishing disks dia.	mm	480	480	480	480
Max. width size	mm	2100	2100	2100	2100
Beam swing speed	m/mim	3-35	3-35	3-35	3-35
Main motor power	kw	8*15kw	10*15kw	12*15kw	16*15kw
Beam motor power	kw	2*2.2kw	2*3kw	2*3kw	2*4kw
Belt feeding speed	m/mim	0.5-4	0.5-4	0.5-4	0.5-4
Belt motor power	kw	2.2	3	3	4
Total power	kw	126.6	159	189	252
Air pressure	mpa	≥0.7	≥0.7	≥0.7	≥0.7
Water pressure	mpa	0.1-0.15	0.1-0.15	0.1-0.15	0.1-0.15
Water consumption	L/min	≥15	≥20	≥25	≥30
Overall dimensions (L*W*H)	mm	7355*3680*2510	8435*3680*2510	9515*3680*2510	11675*3680*2510

■ Polishing head and abrasives

■ Suitable for marble grinding heads and grinding abrasive



Frankfurt Head for Marble



Abrasive for Marble

■ Suitable for granite grinding heads and grinding material



Fickert Head for Granite

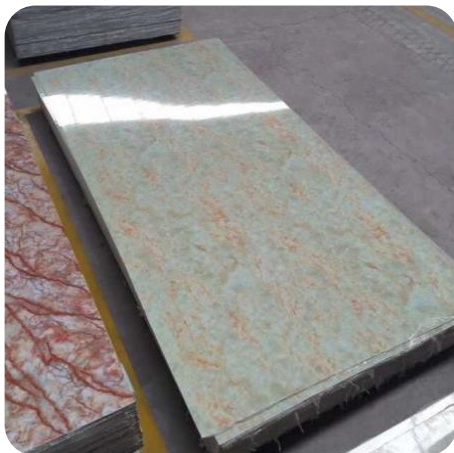


Abrasive for Granite

Finished Products Effect Presentation



▶ Marble grinding head effect

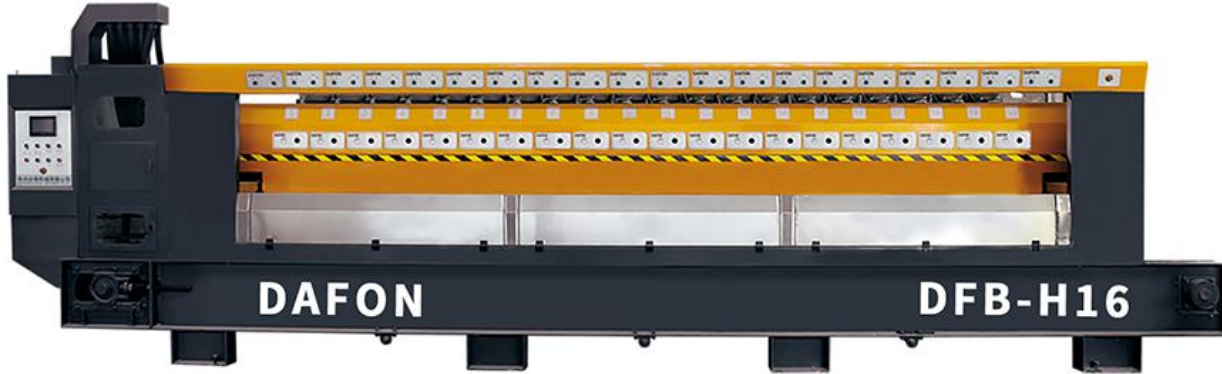


▶ Granite grinding head effect



Granite Polishing Machine Line

DFB-H8/12/16/20/24



Automatic Refueling Device



Inductor



Grinding Head



Grinding Abrasives

Introduction

This equipment has the features of high level of automation, high grinding efficiency, low cost of abrasives, easy to operation, easy maintenance, etc. It is suitable for large quantity and low value stone grinding.

Feature

- **Easy Operating** : Adopting PLC programmable control system and human-machine interactive operation interface, it is easy to operate, and only need to set the processing parameters to achieve grinding automation.
- **High Level of Automation**: The equipment realises fully automatic processing without manual intervention, which greatly improves the production efficiency and processing quality.
- **High Processing Efficiency**: The equipment adopts the continuous processing method, which can realise the continuous in and out of the stone, and greatly improve the processing efficiency.
- **High Grinding Precision**: The use of high-precision grinding heads and discs enables high-precision grinding processing and ensures the smoothness and flatness of the stone surface.
- **Easy Maintenance**: Equipment structure is simple, easy to maintain, easy to clean and maintain, can extend the service life of the equipment.



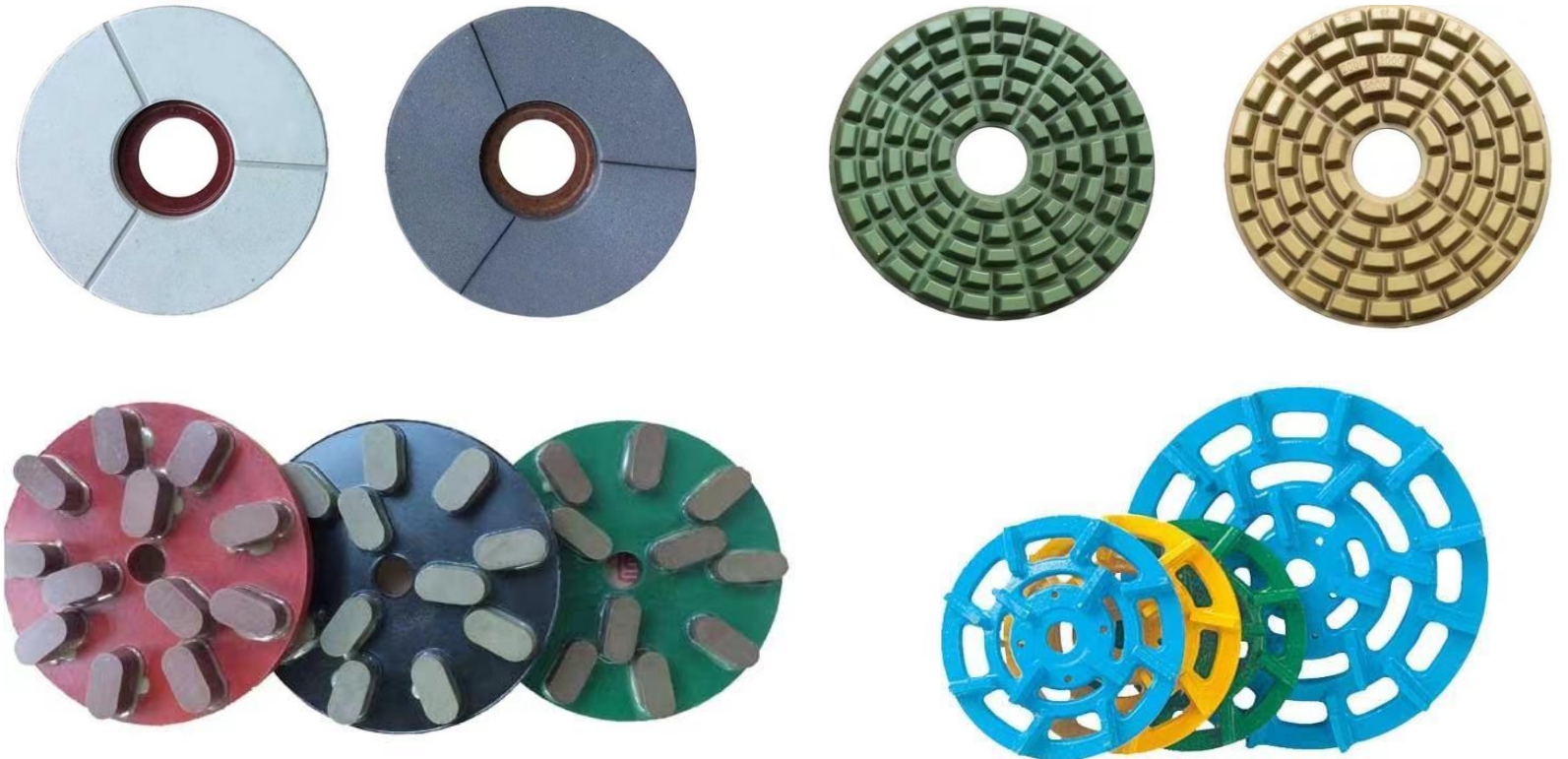
Finished Products Effect Presentation

Parameters

Name	Unit	DFB-H8	DFB-H12	DFB-H16	DFB-H20	DFB-H24
Number of heads	pcs	8	12	16	20	24
Grinding/Polishing disks dia.	mm	200	200	200	200	200
Max. width size	mm	1250(customized)	1250(customized)	1250(customized)	1250(customized)	1250(customized)
Beam swing speed	m/mim	3-35	3-35	3-35	3-35	3-35
Main motor power	kw	6*7.5kw+2*9kw	9*7.5kw+3*9kw	12*7.5kw+4*9kw	16*7.5kw+4*9kw	19*7.5kw+5*9kw
Beam motor power	kw	4	4	2*3kw	2*3kw	2*4kw
Belt feeding speed	m/mim	0.5-4	0.5-4	0.5-4	0.5-4	0.5-4
Belt motor power	kw	2.2	2.2	3	3	4
Total power	kw	76.7	100.7	135	165	199.5
Air pressure	mpa	≥0.7	≥0.7	≥0.7	≥0.7	≥0.7
Water pressure	mpa	0.1-0.15	0.1-0.15	0.1-0.15	0.1-0.15	0.1-0.15
Water consumption	L/min	≥10	≥15	≥20	≥25	≥30
Overall dimensions (L*W*H)	mm	5560*2300*2300	6340*2350*2200	7460*2350*2200	8580*2350*2200	9700*2350*2200



Grinding Head



Grinding Plate & Abresive

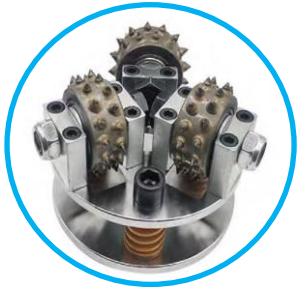
Automatic Bush Hammer Machine

DFB-L6/8/10

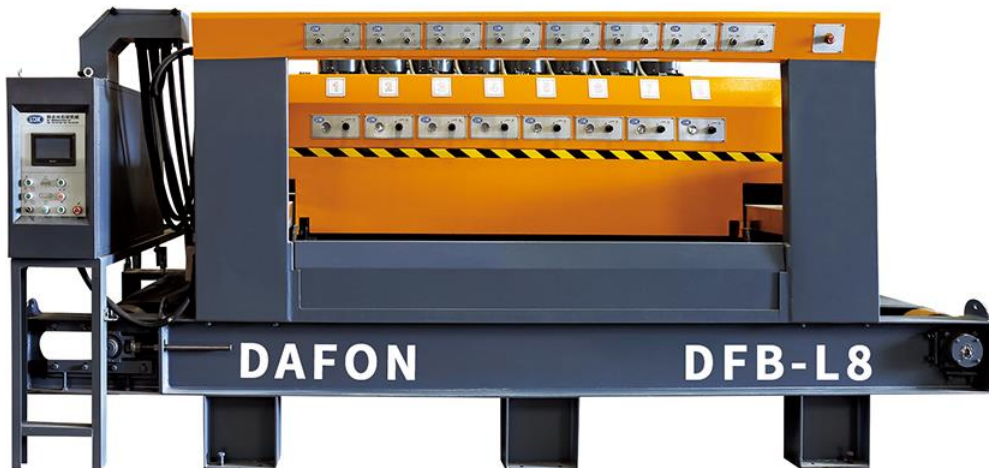


Introduction

This equipment adopts full-automatic continuous lychee face machine imitating the principle of grinding machine, and achieves the surface treatment through the grinding improvement and the change of procedure, which has the features of high production efficiency, simple operation, high utilisation rate of plate, and labour saving, etc. It is a new type of continuous lychee face machine.



Finished Product Effect Presentation



Feature

- **Easy Handling:** The equipment adopts PLC programmable control system, the parameters are set through the touch screen, easy to operate.
- **Flexible Setup:** Pneumatic control of the grinding head lifting and grinding, the pressure size demand in the set value can be adjusted, the grinding head transverse grinding speed and into the speed of the frequency conversion and can be set in the set value range of flexible settings.
- **Automatic Recognition:** The equipment can automatically identify the thickness of the plate for automatic adjustment, to ensure that the processing depth and the effect of uniformity.
- **High Utilisation:** The equipment is safe to process, the sheet is not easy to break, and the utilisation rate of the sheet is high.

Parameters

Name	Unit	DFB-L6	DFB-L8	DFB-L10
Number of heads	Pcs	6	8	10
Max. working width	Mm	1250 (customized)	1250 (customized)	1250 (customized)
Beam swing speed	m/min	3-35	3-35	3-35
Main motor power	kw	6*7.5kw	8*7.5kw	10*7.5kw
Beam motor power	kw	3	3	3
Belt feeding speed	m/min	0.5-4	0.5-4	0.5-4
Belt motor power	kw	2.2	2.2	2.2
Total power	kw	48.7	63.7	78.7
Air pressure	mpa	≥0.7	≥0.7	≥0.7
Water pressure	mpa	0.1-0.15	0.1-0.15	0.1-0.15
Water consumption	m ³ /min	≥8	≥8	≥8
Overall dimensions (L*W*H)	mm	3400*2300*2000	3900*2300*2000	4500*2300*2000

Gantry Type Single Head Polishing Machine

DFB-LM3700



Introduction

It can polish 8 slabs of the same height simultaneously, with automatic disc changing. The computer controls the mode, number of pieces, pressure, walking speed, and water valve switch for each polishing disc.

Parameters

Name	Unit	DFB-LM3700
Polishing pads	Pcs	8
Max. processing size	mm	3700*2000*1500
Lifting stroke	mm	1000
Main motor	kw	7
Left and right X-axis planetary reducer	—	1.5kw Servo Motor
Front and rear Y-axis gear reducer	—	1.5kw Servo Motor
Weight	kg	4500
Overall dimensions (L*W*H)	mm	6000*4500*2300



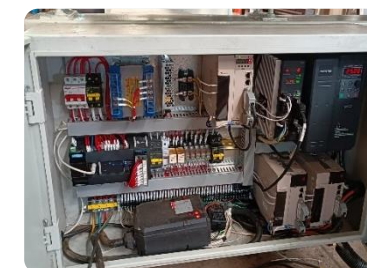
Granite and Marble Polishing Machine (Automatic Change Head)

DFB-QM3200



Parameters

Name	Unit	DFB-QM3200
Main motor power (with frequency conversion)	kw	7.5
Number of heads	pcs	8
Diameter of polishing disc	mm	250
Max processing size	mm	3200*2000*600
Right and left drive systems	ds	servo motor
Front and rear drive systems	ds	servo motor
Control systems	cs	PLC
Each head adjust	—	Each head can be individually controlled: movement speed, mode, pressure, RPM
Weight	kg	3200
Overall dimension	mm	5800*3100*2300



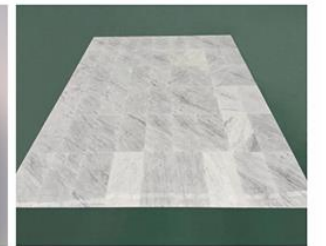
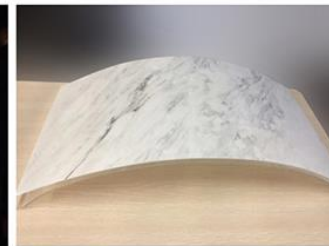
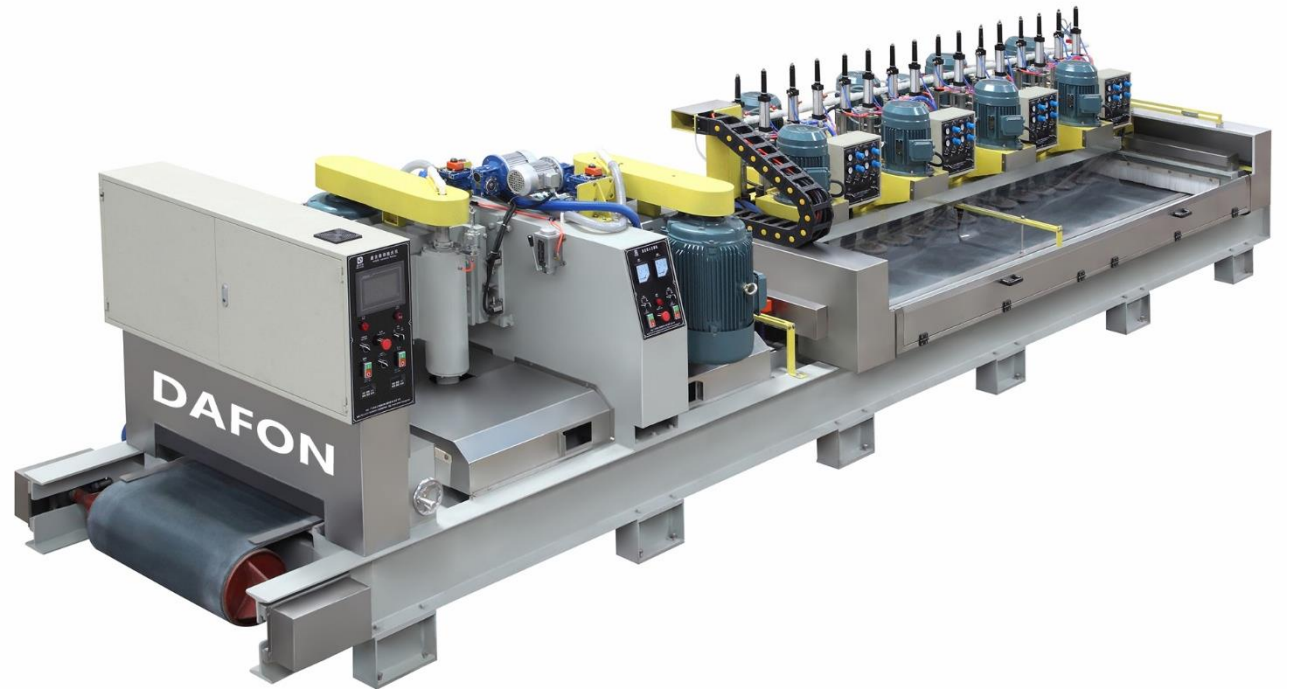
Stone Calibrating & Polishing Machine

DFB-CP450/650



Parameters

Name	Unit	DFB-CP450	DFB-CP650
Calibration heads	Pcs	2	2
Polish heads	Pcs	6	6
Calibration dish diameter	mm	450	650
Calibration motor power	kw	11kw*2	15kw*2
Belt width	mm	650	650
Polishing abrasive diameter	mm	150	150
Maximum polishing size	mm	410	610
Grinding head motor power	kw	4kw*3	4kw*3
Belt motor power	kw	2.2	3
Maximum Calibration thickness	mm	60	60
Total power	kw	37.3	45.3
Weight	kg	3500	4200
Overall dimensions (L*W*H)	mm	3500*2100*1900	5800*2100*1900



Slab Flaming Machine

DFB-S800



Introduction

This equipment consists of conveyor belt, heating device, cooling device and control system, etc. The conveyor belt will send the slabs to be burnt into the furnace chamber, the heating device will heat the slabs to the preset temperature, then the cooling device will cool the slabs quickly, and finally the control system will automate the whole burnt process, which is characterised by simple operation, high degree of automation, high productivity, energy-saving and environmental protection, etc. It is suitable for the burnt and processed of the materials, such as granite and so on, and it can be equipped with the optional full-automatic suction slabs machine to improve the production efficiency.

Parameters

Name	Unit	DFB-S800
Nozzle No.	mm	16
Working width	mm	600~850
Working height	mm	15-120
Work speed	m ² /h	120~150
Combustion gas	c-gas	LPG/propylene
Combustion-supporting gas	cs-gas	Liquid oxygen/gaseous oxygen
Gas consumption	kg/m ²	0.125
Liquid oxygen	kg/m ²	0.5
Dust collection fan	cu	C31
Suction plate weight	kg	400
Suction cup size	mm	300
Sucker number	pcs	4
Weight	kg	2500
Overall dimensions (L*W*H)	mm	9000*1800*2000



Safe, labour-saving, energy-saving, environmentally friendly



Finished Product Effect Presentation

Slab Surface Line Cutting Machine

DFB-M600



Introduction

This equipment adopts the design of one key lifting of saw blade and electric pulling shaft, which is easy to operate, and can reduce the tediousness of changing the blade and improve the high efficiency of work, and it is a kind of equipment specially used for making blind pavement stone.

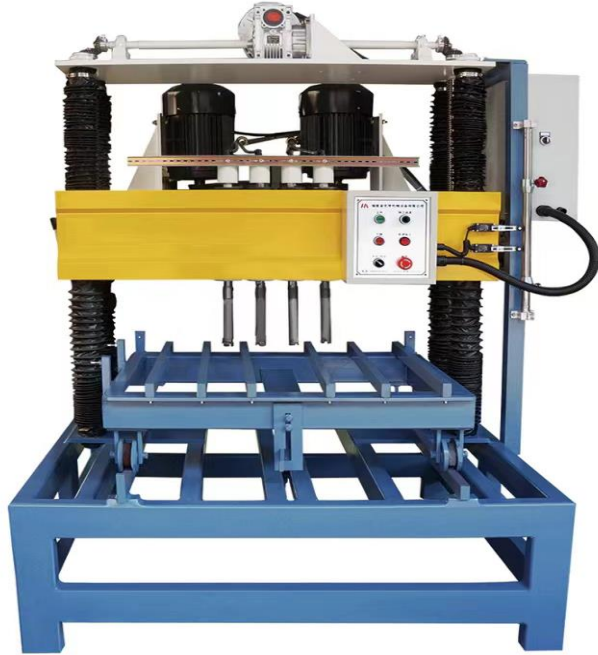


Parameters

Name	Unit	DFB-M600
Max.working size (L*W*H)	mm	1200*600*70
Blade diameter	mm	Φ200-250
Main motor power	kw	15
Maximum depth of cut	mm	7
Weight	kg	1800



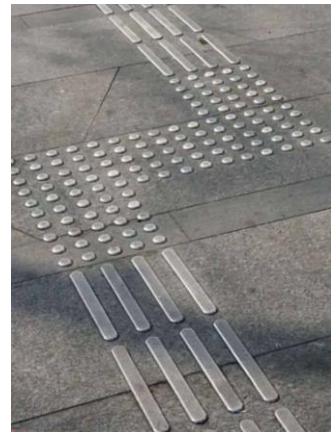
Finished Product Effect



▶ Tactile paving stone anti-skid nail



▶ Tactile paving stone anti-slip strips



Parameters

Name	Unit	DFB-MZ1800
Overall dimensions (L*W*H)	mm	1600*1300*2150
Worktable dimension(L*W)	mm	900*700
Lifting range	mm	2800
The motor power	kw	5.5*2
Voltage	w	3-core 4-wire (380w)
Speed	r/min	1800

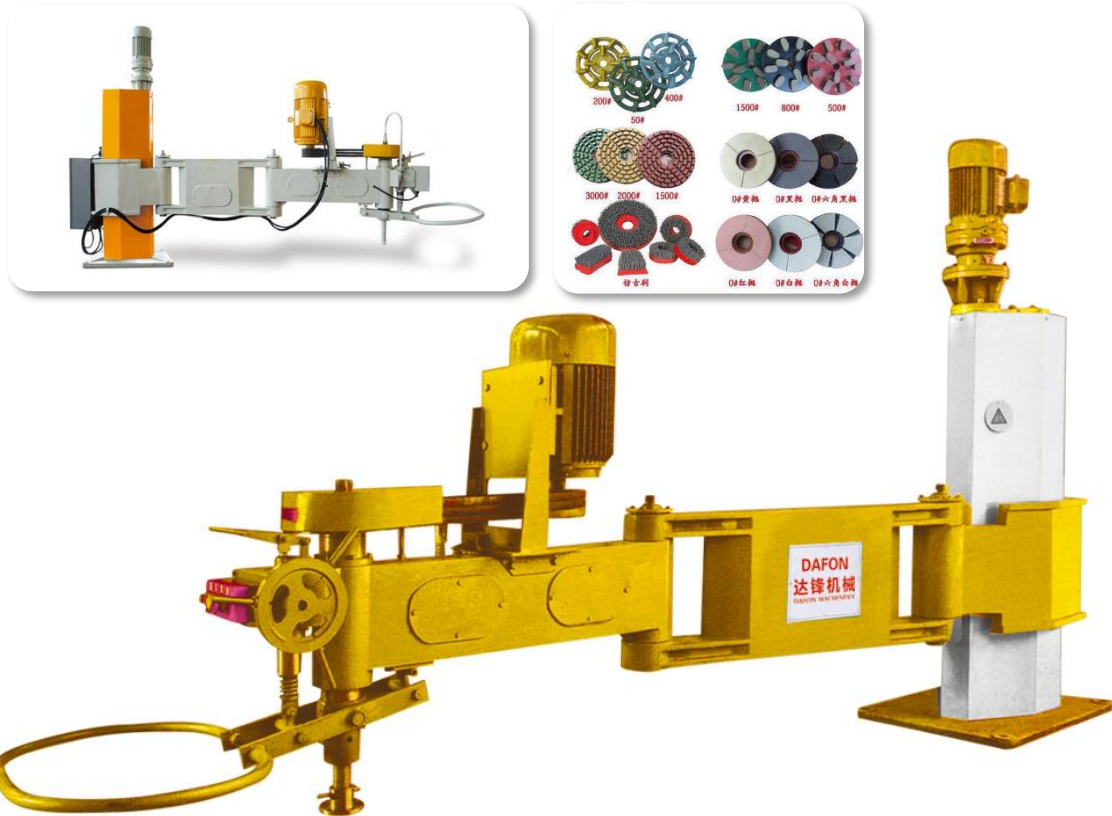
Manual Polishing Machine

DFB-SF2500/3000



Introduction

The main motor of this equipment adopts double-speed motor control, which can fit the speed required for grinding and polishing of different stone materials, and the grinding head adopts manual lifting and lowering or pneumatic lifting and lowering, which has stable quality and high grinding and polishing efficiency, and it is suitable for smoothing and polishing of granite, marble and man-made plates.



Parameters

Name	Unit	DFB-SF2500	DFB-SF3000
Spindle lifting range	mm	80	80
Maximum lifting stroke	mm	470	470
Main motor power	kw	5.5	5.5
Total power	kw	6.1	6.1
Weight	kg	850	900
Overall dimensions (L*W*H)	mm	3200*1650*1800	3800*1650*1800



Automatic Loader and Unloader (Vacuum)

DFB-DX2400

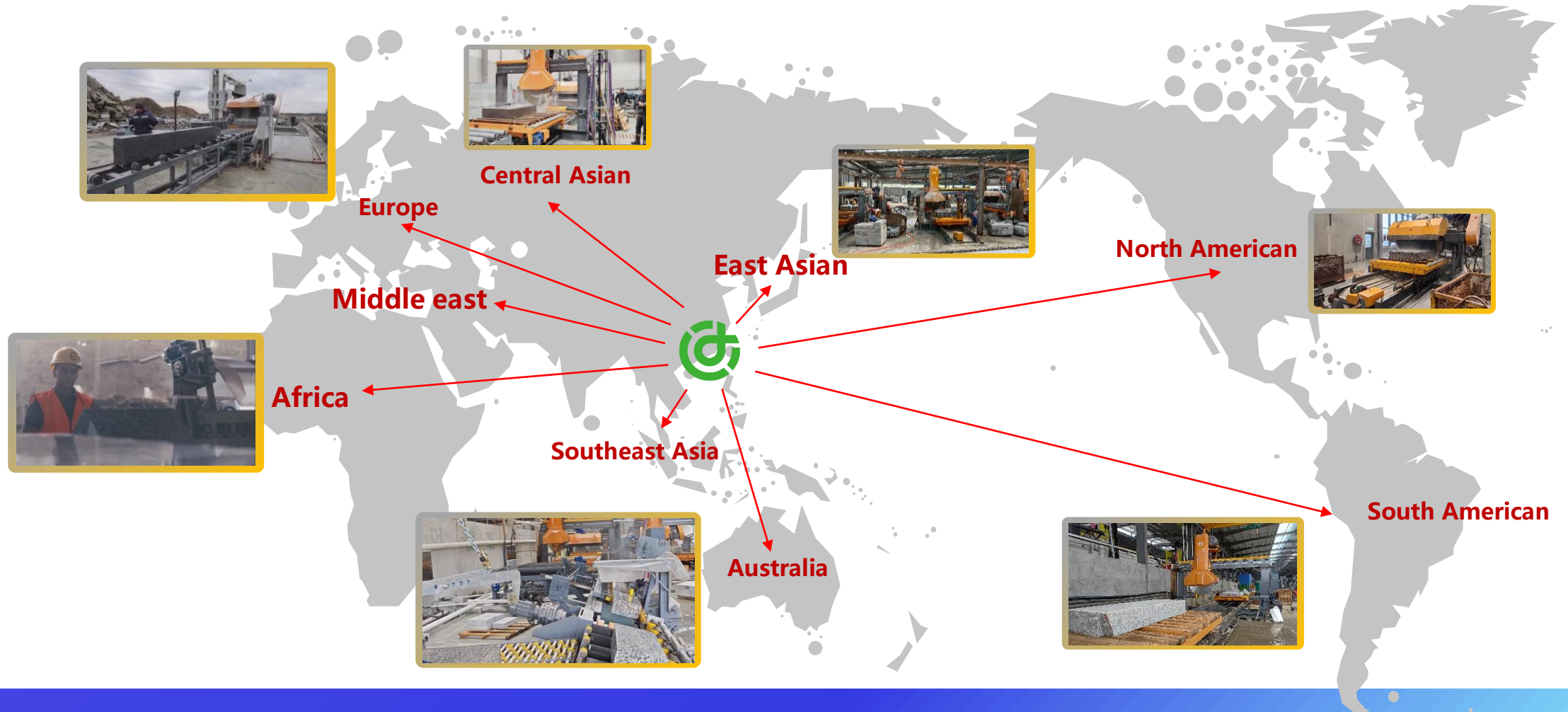


Parameters

Name	Unit	DFB-DX2400
Max.size (L*W)	mm	2400*800
Min.size (W)	mm	400*400
Working thickness	mm	10-50
Max.weight	kg	300
Suction size (L*W)	mm	300*200
No. of suckers	pcs	6
Suction cup shaft length	mm	1800
Front / Back range	mm	2500
Lifting stroke	mm	1300
Lifting speed	pcs/min	2
Vacuum pump specifications	m ³ /h	25
Lubrication system	—	Hand pressure fuel pump
Roller table size (L*W)	mm	2500*1200
Transmission method	—	Roller +Chain transmission
Total power	kw	3
Air source	mpc	0.8
Pressure	m ² /min	0.8
Voltage	—	50HZ, 380V

leading Stone Machine Manufacturer

Dafon machines have been exported to more than 50 countries and regions worldwide.





Make Stone Processing Easier

THANKS



www.dafonttime.com