

Quality Is Not Expensive...It's Priceless.



BHARAT

MACHINE TOOLS

≡≡≡ **SINCE 1990** ≡≡≡

A One Stop Solution for Jewellery Making Industry.



Bharat Machine Tools is engaged in manufacturing, trading and exporting a wide variety of Jewellery Machinery and Tools, which is highly acclaimed appreciated by the gem and jewellery sector for its quality and efficiency. The company manufactures and deals in Jewellery making machines, Melting furnaces, Tube forming machines, Jewellery tools, Chain making machines, Bangle and ring making machines, Rolling mills, Vibrator polishing machines and many more. The various range of products manufactured by the company is widely

preferred due to the superior quality which is the result of a combination of precision engineers, technocrats, quality checkers, and a robust research and development team.

Bharat Machine Tools being a professionally driven enterprise looks at Customer satisfaction as the key to success. According to Mr. Arshi Bhai Nakum, Director of the company, “We believe in providing the best to the customers and never compromise on quality standards. Further we make sure that every product we offer is manufactured in accordance with International Standards and keeping in mind the customers’ need”.

Bharat Machine Tool practices stringent quality measures to ensure highest of quality products with absolute efficacy. The company believes in the feedback received from the customers to continuously improvise on the standards, thus creating benchmarks for the team to reach the highest level of productivity with quality.

Bharat Machine Tools has also expanded the export business to countries such as Dubai, Bahrain, Kuwait, Yemen, Qatar, Canada and Bangladesh. This only proves the standard quality and service levels observed by the company especially when it comes to expanding business PAN India and in the International Markets.

WE PROVIDE

- ▶ Rolling Mills
- ▶ Hydraulic cutting machine
- ▶ Hydraulic coin making
- ▶ Casting Machine
- ▶ Tube Forming Machine
- ▶ Strip Cutting Machine
- ▶ Wire Draw Machine
- ▶ Hammering Machine
- ▶ Chain Making Machine
- ▶ CNC Bangle Machine
- ▶ Faceting Machine
- ▶ Laser Welding Machine
- ▶ Laser Cutting Machine
- ▶ Vacuum Polishing Machine
- ▶ Vibrator Polishing Machine
- ▶ Magnatic Polishing Machine
- ▶ All Type Of Accesories
- ▶ Etc.



DOUBLE HEAD ROLLING MACHINE



Dimension / Model	BMT 1	BMT 2	BMT 3	BMT 4
Rolls Width x Diameter	101 X 57 / 4" X 2.25"	127 X 63.5 / 5" X 2.5"	152 X 76 / 6" X 3"	152x101 / 6" X 4"
Wire Grooves From To	0.75 - 8	0.75 - 9	0.75 - 10	0.75 - 12
Max. Sheet Width can be rolled	60	80	100	100
Max. Apertures of Rolls	25	31	35	38
Power Supply	1 h.p. / 0.75 kw. 1 Phase	1.50 h.p. / 1.1 kw. 1 Phase	2 h.p. / 1.5 kw. 1 Phase	5 h.p. / 3.75 kw. 3 Phase
Depth Per Rotation of Staring	0.78	0.50	0.66	0.99
Machine Dimension in cm.	85 x 34 x 117	97 x 42 x 125	107 X 51 X 132	140x55x150
Machine Net. Weight	210.00 kg.	350.00 kg.	455.00 kg.	600.00 kg.



SINGLE HEAD ROLLING MACHINE (Side Wheel)



Model	BMT 05	BMT 06	BMT 07
Rolls Width x Diameter	101 x 57 4" x 2.25"	127 x 64 5" x 2.5"	152 x 76 6" x 3"
Wire Grooves From To	0.75 - 7	0.75 - 9	0.75 - 10
Max. Sheet Width	37	48	57
Max. Apertures of Rolls	6	6	6
Depth Per Rotation of Staring	0.78	0.50	0.66
Power Supply	1 h.p. / 0.75 kw. 1 Phase	1.5 h.p. / 1.1 kw. 1 Phase	2 h.p. / 1.5 kw. 1 Phase
Machine Dimension in cm.	38x48x117	40x58x120	59x74x135
Machine Net. Weight	110.00 Kg.	135.00 Kg.	160.00 Kg.

SINGLE HEAD ROLLING MACHINE (Italy Model)



Model	BMT 08	BMT 09
Rolls Width x Diameter	101 x 57 / 4" x 2.25"	127 X 63.5 - 5" X 2.5"
Operation System	Motorized	Motorized
Wire Grooves From To	0.75 - 7	0.75 - 9
Max. Sheet Width can be rolled	37	48
Max. Apertures of Rolls	25	25
Power Supply	1.5 h.p. / 0.75 kw. 1 Phase	1 h.p. / 0.75 kw. 1 Phase
Depth Per Rotation of Staring	0.45	0.50
Machine Dimension in cm.	55x33x70	61x30x82
Machine Net. Weight	80.00 kg.	105 kg.



Model	BMT 10	BMT 11
Rolls Width x Diameter	127 X 63.5 - 5" X 2.5"	152 x 75 - 6" x 3"
Operation System	Motorized	Motorized
Wire Grooves From To	0.75 - 9	0.75 - 9
Max. Sheet Width can be rolled	48	48
Max. Apertures of Rolls	25	25
Power Supply	1 h.p. / 0.75 kw. 1 Phase	2 h.p. / 1.5 kw. 1 / 3Phase
Depth Per Rotation of Staring	0.50	0.50
Machine Dimension in cm.	77x38x138	77x38x138
Machine Net. Weight	105 kg.	125 kg.



MINI ROLLING MACHINE (Electric Model)



Model	BMT 12
Rolls Width x Diameter	76 x 41 / 3" x 1.6"
Operation System	Motorized
Wire Grooves From To	0.75 - 9
Max. Sheet Width can be rolled	28
Max. Apertures of Rolls	4
Power Supply	1 h.p. / 0.75 kw. 220 V.
Depth Per Rotation of Staring	0.86
Machine Dimension in cm.	77x38x138
Machine Net. Weight	125 kg.

MINI ROLLING MACHINE HAND OPERATE



BMT A



BMT B



BMT C

Model	BMT A 13	BMT A 14	BMT A 15	BMT B 16	BMT B 17	BMT B 18	BMT C 19
Rolls Width x Diameter	76 x 41 3" x 1.6"	89 x 51 3.5" x 2"	101 x 51 4" x 2"	101 x 57 4" x 2.25"	127 x 64 5" x 2.5"	152 x 76 6" x 3"	76 x 41 3" x 1.6"
Wire Grooves From To	0.75 5.75	0.75 5.75	0.75 6.	0.75 7	0.75 9	0.75 10	0.75 5.75
Max. Sheet Width	28	36	38	37	48	57	28
Wires in fully grooved Rolls	0.75 - 6.75	0.75 - 6.75	0.75 - 7.0	0.75 - 8	0.75 - 10	0.75 - 12	0.75 - 6.75
Max. Apertures of Rolls	4	4	4	6	6	6	4
Ratio	3.15/1	3.15/1	3.15/1	4.6/1	3.5/1	4/1	3.15 / 1
Depth Per Rotation of Staring	0.86	0.81	0.81	0.78	0.50	0.66	0.86
Machine Dimension in cm.	22x19x30	23x19x32	25x20x33	35x34x45	37x37x47	42x42x52	22x20x30
Machine Net. Weight	17 Kg.	18 Kg.	20 Kg.	50 Kg.	70 Kg.	90 Kg.	18 Kg.



HEAVY DUTY ROLLING MACHINE (SINGLE HAND)



Model	BMT 20	BMT 21	BMT 22	BMT 23	BMT 24
Rolls Width x Diameter	152 x 76 6" x 3"	152x 101 6" x 4"	203 x 101 8" x 4"	200 x 125 8" x 5"	250 x 150 10"x 6"
Wire Grooves	As Per Req.	As Per Req.	As Per Req.	As Per Req.	As Per Req.
Max. Sheet Width	75	100	125	150	200
Max. Apertures of Rolls	38	38	38	38	42
Power Supply	2 h.p. / 1.5 w. 3 Phase	5 h.p. / 3.75 w 3 Phase	5 h.p. / 3.75 w. 3 Phase	7.5 h.p. / 5.62 w. 3 Phase	10 h.p. / 7.5 w. 3 Phase
Motor Type	AC Drive / DC Drive	AC Drive / DC Drive	AC Drive / DC Drive	AC Drive / DC Drive	AC Drive / DC Drive
Depth Per Rotation of Staring	0.99	0.99	0.99	0.99	0.99
Machine Dimension in cm.	77x38x138	88x70x180	120x50x160	120x50x165	165x60x180
Machine Net. Weight	285.00 Kg.	375.00 Kg.	500.00 Kg.	700.00 Kg.	1000.00 Kg.



HAND FLY PRESS

Description	BMT 25(No.1)	BMT 26(No.2)	BMT 27(No.3)
Base to Guide	127	146	171
Back to Base Centre	89	95	114
Hole Through Collar in Base	35	35	35
Diameter of Screw	44.45	44.45	50.8
Hole x Depth	19 x 38	19 x 38	25 x 38
Machine Dimension in cm.	24x33x70	28x35x71	35x38x80
Machine Net. Weight	80.00 kg.	110.00 kg.	150 kg.

Note: No.4 & No.5 Also Available.



HYDRAULIC PRESS(CUTTING & EMBOSSING)



Model	BMT 28
Capacity	3 Ton
Working Speed	80-100 / Min
Motor	2 H.P.
Oil Capacity	60 Ltr.
Stroke	75 mm
Working Area (MM)	200 x 200
Weight	250 kg.
Machine Dimension in inch	18x38x58

FULLY AUTOMATIC HYDRAULIC PRESS(CUTTING & EMBOSSING)

Model	BMT 29
Capacity	5 Ton
Working Speed	80-100 / Min
Motor	3 H.P.
Oil Capacity	70 Ltr.
Stroke	75 mm
Working Area (MM)	200 x 200
Automation Part	Digital Strip Feeder
Feeder Size	Auto Adjustable(Max 60mm W)
Weight	280 kg.
Machine Dimension in inch	36x40x60





Model	BMT 30	BMT 31	BMT 32	BMT 33 (Bar Cutting)	BMT 34	BMT 35
Capacity	30 Ton	40 Ton	60 Ton	80 Ton	100 Ton	150 Ton
Cylinder (Steel Road)	80 mm	100 mm	120 mm	140 mm	150mm	220 mm
Cylinder stroke work	100 mm	100 mm	110 mm	120 mm	125mm	185 mm
Working Weight	550 kg.	550 kg.	800kg.	950 kg.	1100 kg.	1800 kg.
Oil Capacity	40 ltr.	40 ltr.	50 ltr.	65 ltr.	110 ltr.	140 ltr.
Power Supply	2 h.p. / 3 Phase	2 h.p. / 3 Phase (Double Speed)	3 h.p. / 3 Phase (Double Speed)	5 h.p. / 3 Phase (Double Speed)	3 h.p. / 3 Phase (Double Speed)	5 h.p. / 3 Phase (Double Speed)
Machine Net. Weight	350 kg.	550 kg.	780 kg.	1500 kg.	1200 kg.	1500 kg.



PIPE MAKING MACHINE WITH AUTO SOLDERING



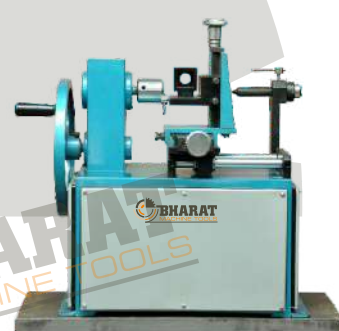
Model	BMT 36
Pipe Dimension	4 - 14 mm
Soldering Type	Italian Argon Soldering
Soldering Type	0.35 mm
Power Supply	1 h.p. / 0.75 kw. DC Drive
Machine Dimension in cm.	70x45x100
Machine Net. Weight	165 kg.

Model	BMT 37
RPM	0 - 50
Power Supply	1 h.p. / D.C. Drive 1 Phase
Machine Dimension in cm.	75x70x125
Machine Net. Weight	140 kg.

TUBE FORMING MACHINES



MOTORISED



MANUAL

STRIP CUTTING MACHINES



HAND OPERATE

MOTORISED

Model	BMT 38
Cutting Width	3 m.m to 30 m.m.
Power Supply	1 h.p. / D.C. Drive 1 Phase
Machine Dimension in cm.	75x70x140
Machine Net. Weight	150 kg.



VACUUM CASTING UNIT(3 in1 & 2 in 1)



► Vacuum Casting Machine (39)

Model	3 in 1	2 in 1
Coil Furnace	1 kg. Resi.	-
Vacuum Chamber	10" x 10"	10" x 12"
Input Vacuum Pump	325 ltr. / min.	325 ltr. / min.
Casting Chamber	4" x 10"	5" x 10"
Pump Motor	1 hp / 2800 RPM	1 hp / 2800 RPM
Power Supply	230 V. AC 1 Phase	230 V. AC 1 Phase
Machine Dimension in inch	30.5x 25x38	30.5x25x38



► Burnout Furnace

Model	3 in 1
Power Supply	230 V. AC 1 Phase

► Available Sizes:

8"x 8" / 10" x 10" / 12" x 12" / 15" x 15" / 18" x 18"



Vulcanizer Die Press



Auto Wax Injector



Waterjet Machine



Wax Injector



Casting Accessories





Model	BMT 40
Model Type	Double St.
Vacuum Suction Power	250 cfm/2800 rpm
Power Supply	230v AC/ 1 Phase
Power Consumption	2.5 kw.
Machine Dimension in cm	136x59x132

Model	BMT 41
Model Type	Single St.
Vacuum Suction Power	250 cfm/2800 rpm
Power Supply	230v AC/ 1 Phase
Power Consumption	1.5 kw.
Machine Dimension in cm	130x65x80
Machine Weight	120 kg.



Model	BMT 42
Model Type	Single St. (Compact)
Vacuum Suction Power	250 cfm/2800 rpm
Power Supply	230v AC/ 1 Phase
Power Consumption	1.5 kw.
Machine Dimension in cm	60x62x70

Model	BMT 43
Model Type	Vacuum Filing Table
Vacuum Suction Power	250 cfm/2800 rpm
Power Supply	230v AC/ 1 Phase
Power Consumption	1.5 kw.
Machine Dimension in cm	60x62x70



VIBRATOR POLISHING MACHINE

Model	BMT 44	BMT 45	BMT 46
Size in cm.	15x15x25	18 x 18 x 38	18 x 18 x 43
Material Capacity	1 Kg.	3 kg.	5 kg.
Power Supply	0.25 hp / 0.18 kw 1 Phase	0.75 hp / 0.37 kw 1 Phase	0.75 hp / 0.60 kw 1 Phase
Power Consumption	10 kg.	20-25 kg.	25-30 kg.
Machine Dimension in cm.	45x35x45	53x35x45	58x38x48
Machine Net. Weight	40 kg.	45 kg.	70 kg.



2kg., 8kg., 10kg., Also Available.

MAGNETIC POLISHING MACHINE



Model	BMT 47	BMT 48	BMT 49
Size in cm.	20 x 15	25 x 15	30 x 15
Material Capacity	500 grm.	1 kg.	2 kg.
Power Supply	0.5 hp / 0.37 kw 1 Phase	0.5 hp / 0.37 kw 1 Phase	0.5 hp / 0.37 kw 1 Phase
Media Required	400 Grm.	800 Grm.	1.2 kg.
Machine Dimension in cm.	35 x 35 x 53	35 x 35 x 53	38 x 38 x 48
Machine Net. Weight	30 kg.	35 kg.	40 kg.

ULTRASONIC POLISHING MACHINE



Model	BMT 50	BMT 51	BMT 52
Capacity	6 Ltr.	9 Ltr.	15 Ltr.
Ultrasonic Frequency	33 + - 5%	33 + - 5%	33 + - 5%
Power Supply	230v AC 1 Phase	230v AC 1 Phase	230v AC 1 Phase
Power Consumption	0.600 kw.	0.800 kw.	1.8 kw.
Outer Body	202 / 20 swg	202 / 20 swg	202 / 20 swg

12 Ltr. Also Available.



STEAM CLEANING MACHINE(S.S.Body)

Model	BMT 53	BMT 54
Capacity	9 Ltr.	12 Ltr.
Steam Pressure	100 psi	100 psi
Power Supply	230v AC 1 Phase	230v AC 1 Phase
Power Consumption	3.5 kw.	3.5 kw.
Water Level	Auto Sensor	Auto Sensor
Machine Dimension in inch	20x14x23	21x14x24



RHODIUM PLATING MACHINE

Model	BMT 55
Ltr. Capacity	1000-3000 ml.
Beaker Capacity	2 or 3
Power Supply	230v AC 1 Phase
Power Consumption	25 V. / 20A DC
Machine Dimension in inch	26x16x16
Machine Weight	25 kg.



DRYER MACHINE

Model	BMT 56
Capacity	5.00 kg.
Tube Size in cm.	25 x 25
Power Consumption / Motor	1800 W. / 0.5 HP
Machine Dimension in cm	60 x 47x25
Machine Net. Weight	54 kg.



ELECTRIC MELTING FURNACE

Model	BMT 57	BMT 58
Capacity	1.000 kg.	2.000 kg.
Temperature Control	0 - 1200 C	0 - 1200 C
Display	Dual	Dual
Power Consumption	950 Watt	1200 Watt
Input Power	220 Volt	220 Volt
Machine Dimension in cm	26x25x44	28x28x46
Machine Net. Weight	9.0 kg.	11.00 kg.



ELECTRIC MELTING FURNACE



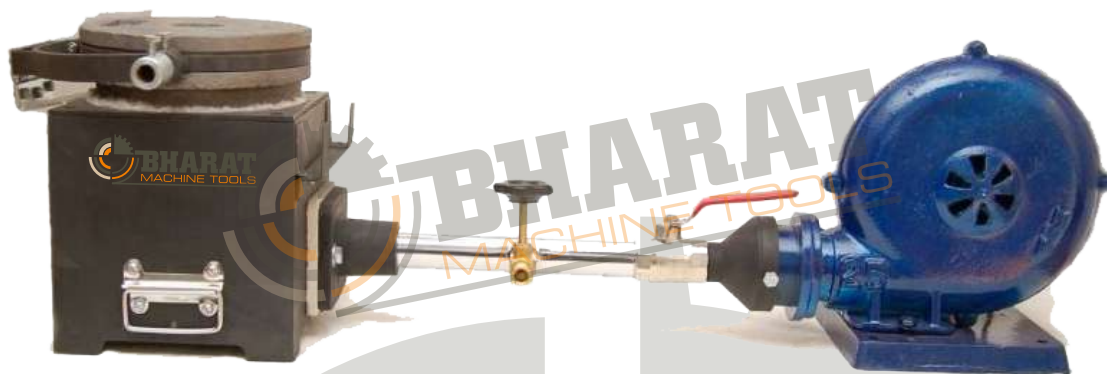
Dimension in mm./Model	BMT 59	BMT 60
Capacity	1.000 kg.	2.000 kg.
Temperature Control	0 - 1200 C	0 - 1200 C
Display	Dual	Dual
Power Consumption	950 Watt	1200 Watt
Input Power	220 Volt	220 Volt
Machine Dimension in cm	37x21x30	53x43x78
Machine Net. Weight	15.0 kg.	20.00 kg.

AIR GAS MELTING FURNACE (TABLE TOP)

Dimension in mm./Model	BMT 61	BMT 62	BMT 63	BMT 64
Capacity	1.000 kg.	3.000 kg.	5.000 kg.	10.000 kg.
Power Consumption	0.09 KW	0.18 KW	0.18 KW	0.25 KW
Machine Dimension in cm	42x45x65	48x45x80	50x45x85	60x55x95
Machine Net. Weight	25.0 kg.	32.00 kg.	35.0 kg.	45.00 kg.



AIR GAS MELTING FURNACE (FLOOR MODEL)



Model	BMT 65	BMT 66	BMT 67	BMT 68	BMT 69	BMT 70	BMT 71
Capacity	1.000 kg.	3.000 kg.	5.000 kg.	8.000 kg.	10.000 kg.	15.000 kg.	20.000 kg.
Power Consumption	0.09 KW	0.18 KW	0.18 KW	0.37 KW	0.37 KW	0.55 KW	0.65 KW
Machine Dimension in cm	95x38x28	107x35x35	112x35x35	122x36x42	132x68x45	136x68x45	140x68x60
Machine Net. Weight	13.0 kg.	18.00 kg.	23.0 kg.	35.00 kg.	42.00 kg.	50.00 kg.	65.00 kg.

INDUCTION MELTING FURNACE

Model	BMT 72
Capacity of Material	1 to 20 kg.
Melting Time	2 to 5 Min.
Max. Temp.	1200 C
Cooling Water Temp.	20-30 C
Power Consumption	15 to 20 KW 3 Phase
Machine Dimension in cm	97x60x62
Machine Net. Weight	80 + 45 kg.



FACETING MACHINE SINGLE & DOUBLE HEAD



DESCRIPTION	BMT 73
Motor Vertical & Horizontal	0.25 hp. / 0.18 kw. 1400 RPM
Motor Speed Vertical / Horizontal	5300 RPM / 4500 RPM
No. Of Axis	2 Axis
Machine Weight	170 kg.
Machine Dimension in cm.	56x70x83

DESCRIPTION	BMT 74
Motor Vertical & Horizontal	0.17 hp. /2800 RPM
Motor Speed Vertical / Horizontal	6500 RPM
No. Of Axis	2 Axis
Machine Net. Weight	135 kg.
Machine dimension in cm.	74x59x76



BANGLE & RING TURNING MACHINE



DESCRIPTION	BMT 75
Motor	1.0 hp. / 0.75 kw. 2800 rpm
Machine Net. Weight	65 kg
Machine dimension in cm.	80x41x35

- ▶ Built In Machine Lamp.
- ▶ Quick Change And Quick Centering Tool Post
- ▶ Bangle Inside-outside Turning Socket & Mandrel
- ▶ Quick Clamping Device For Articles Or Collect Socket
- ▶ Swivel Tablet 180 Rotative And 2 Graduation For Convex,concave And D-shape Turning.
- ▶ Nylon Collects For Bangle & Ring Turning.



LASER MARKING MACHINE

Model	BMT 76	BMT 77
Output Power	20 W.	30 W.
Laser Type	Pulsed Fiber Laser	Pulsed Fiber Laser
Wavelength	1064 nm	1064 nm
Power Adjusting Range	1 ~ 100%	1 ~ 100%
Beam Quality	20-80 KHz	20-80 KHz
Beam Diameter	6 - 9 mm.	6 - 9 mm.
Max. Linear Speed	12000 mm/s	12000 mm/s
Marking Depth (Depends On Material)	0.01 ~ 0.3 mm.	0.01 ~ 0.5 mm.
Marking Area	70 mm / 100 mm	100 mm. / 110 mm.
Working table(Stage)	450mm x 450mm	450mm x 450mm



LASER CUTTING MACHINE



Model	BMT 78	BMT 79
Output Power	50 W.	80 W. / 100 W.
Laser Type	BMT Optimus	BMT Optimus
Wavelength	1064 nm	1064 nm
Power Adjusting Range	1 ~ 100%	1 ~ 100%
Beam Diameter	6 - 9 mm.	6 - 9 mm.
Max. Linear Speed	12000 mm/s	12000 mm/s
Marking Depth (Depends On Material)	0.01 ~ 0.7 mm.	0.01 ~ 2.0 mm.
Marking Area	70 mm / 100 mm	100 mm. / 110 mm.
Working table(Stage)	450mm x 450mm	450mm x 450mm

Customer Require:
AC Room, 1 KVA Servo Stabilizer

LASER SOLDERING MACHINE

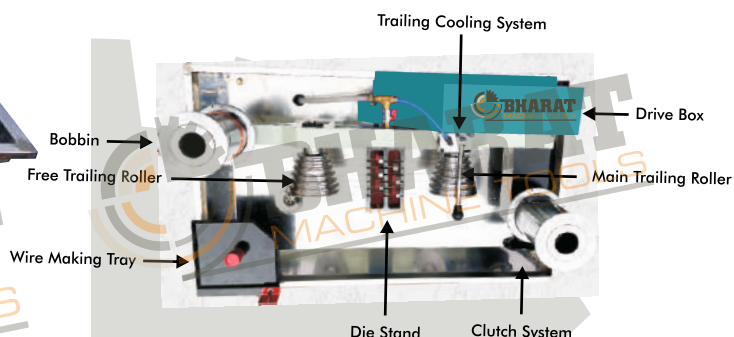
Model	BMT 80	BMT 81
Output Power	100 W.	200 W.
Laser Type	Soldering	Soldering
Wavelength	1064 nm	1064 nm
Single Pulse Energy	0 - 150 J	0 - 150 J
Pulse Width (Adjustable)	0.1 - 20 ms	0.1 - 20 ms
Pulse Repeated Frequency (Adjustable)	1 ~ 50 Hz	1 ~ 50 Hz
Spot Diameter (Adjustable)	0.2 - 1.3 mm.	0.2 - 1.3 mm.
Cooling System	Water Chiller	Water Chiller
Power Supply	220V +/- 10% / 50 Hz / 60 Hz / 4 KW	
Outer Body	46x35x40	46x35x40



Customer Require:
AC Room, 5 KVA Servo Stabilizer



Wire Drawing Machine



Description	BMT 82	BMT 83	BMT 84
Model Type	6 Pass	8 Pass	12 Pass
Max. Wire Die. (Gauge / mm)	18/1.2	15/1.4	14/2.0
Min. Wire Die. (Gauge / mm)	47/0.05	47/0.05	47/0.05
Motor Power	2 HP	3 HP	3 HP
Cooling Motor	0.25 Hp	0.25 Hp	0.25 Hp
Machine Dimension in cm	110x63x115	130x70x120	150x85x135
Machine Net. Weight	350 kg.	400 kg.	550 kg.

Single Pass Wire Drawing Machine

Description	BMT 85	BMT 86	BMT 87
Model Type	One Way	Clutch Type	Clutch Type (Reverse & Forward)
Max. Wire Die. (Gauge / mm)	18/1.2	18/1.2	18/1.2
Min. Wire Die. (Gauge / mm)	38/0.15	38/0.15	38/0.15
Motor Power	0.5 HP / 1 Phase	0.5 HP / 1 Phase	0.75 HP / 1 Phase
Machine Dimension in cm	60x30x40	60x30x40	60x30x40
Machine Net. Weight	60 kg.	60 kg.	85 kg.







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