



SOHAL WELDING WORKS

A COMPLETE SOLUTION FOR SCAFFOLDING



WWW.SOHAL.GLOBAL

COMPANY EXPANSION

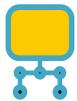


1980

Late. Seth Labhu Ram started Sohal Welding

S.Mohinder Singh Sohal started the company SOHAL WELDING WORKS by making stick arc welding machines & entered into the field of welding machines

1986



1992

More products were added to the range like Metal Gathering, U-Bolt Heating, Spot/ Projection Welder.

Paramdeep Singh Sohal & Er. Iqbal Singh Sohal joined their father's business & started the second unit Arc Flow Welder to deliver Automatic Scaffolding Machines to Scaffolding industry.

2011



2025

SWW known as A Leading Manufacturer & Exporter of Automatic Scaffolding Machines. Nowadays Exporting to Other Countries like USA, UAE, Algeria, Brazil, Mexico, Greece Russia, Qatar, Egypt, Kuwait Bangladesh, South Africa, Thailand

ABOUT US

SWW is a global one stop shop for a complete solution to scaffolding plants with more than 30 years of experience we are able to provide core products such as Pipe Cutting Machine, Thread Rolling Machine, Welding Machine, Multi-Drilling Machines, Pipe Punching Machine, Painting Line and all customized Die Mold for Scaffolding Industries.

Having an experienced and industrious personnel, Sohal Welding Works has raised its industry from local to international market with in a few year and is now capable to complete World-Wide. Quality products blended with perfect workmanship and with an urge for growth, resulted in the development of the company . The Company 's Client list include the local as well as overseas customers, because SWW brand is known for setting up complete plant by providing all basic & essential services to their clients. Recently it proved to be very effective in the market as clients are very satisfied with overall production and results provided by SWW Which results in repeated orders as well as new references from clients.

The company has divided its manufacturing unit into different departments which enables it to fulfill its commitment -To Deliver Quality Products & Services. Various departments of the company are :Engineering Department, Quality Testing Department, Machining Department, Electrical Department,Electronic Department, Raw Material & Stock Maintaining Department, Painting Department, Export Department, Accounts Department, Sales And Purchase Department, IT & Digital Media Department.

Vision

To achieve complete satisfaction in products & services, hence become a renowned company worldwide.

Mission

To provide "Complete Scaffolding Solutions" to the "World of Manufacturing" for enhancing their operational efficiency.

Values

To Have integrity, perseverance, determination, innovation, respect, passion, fair-deal & Fair Mindedness

Customer Satisfaction

- Wide industrial experience
- State of the art manufacturing unit
- Diligent & experienced team of experts
- Timely delivery of orders
- Qualitative multi process welding systems
- Automation of scaffolding
- After sales services



We Are Safe & ISO Certified



Why Choose SWW ?

We understand the requirement of valuable clients and supply all the products as per their requirements. We have a team of quality experts and professionals who have gained wide expertise in providing excellent quality and robust performance with certain quality standards.

Our Quality Parameters: Electrical Test, Electronic Test, Corrosion Test, Dimensional Accuracy, Durability, Heat Resistance Test, Tensile Strength, Hardness Test, Non-Destructive Testing (NDT) & Destructive Testing etc.

INFRASTRUCTURE



We have manufacturing plant in 75000 sq ft area that assists us in completing the bulk orders within the stipulated time frame. For fast manufacturing process, the unit has modern machines and other allied equipments. Some of the machines and equipments installed in our unit are mentioned below:

V.M.C Machine
C.N.C Machine
Heating Oven

Lathe Machine
Shaper Machine
Mig Welding Machine

Arc Welding Machine
Power Press & Die Mold
Pipe Cutting Machine

Surface Plate
Vernier Height Gauge
Micro Meter etc.

Warehouse & Packaging

To ensure proper systematic and safe storage of all machines and other equipments we have a capacious warehouse facility. Spread over a huge area, it is divided into different sections to store different types of machines.

Research & Development

Raw
Material

Design

Manufacturing
Process

Technology

Customization



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Pipe Cutting Machine

SPECIFICATIONS

Drive Motor	3 H.P., 960 R.P.M.
Hyd. Motor	2 H.P., 1440 R.P.M.
Coolant Motor	0.5 H.P.
Power Required	3 Phase, 6 K.V.A., 4.5 K.W.
Electrical Control	Electrical with Auto/Manual
Hyd. Oil Required	68 No., 90 Ltr.
Coolant Required	Soluble Cutting Oil (40 Ltr)
Cutter Size	50mm I.D., 3mm Thickness, 350mm O.D.
Weight of Machine	700 Kgs. (Approx.)



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Cutter Resharpening Machine

SPECIFICATIONS

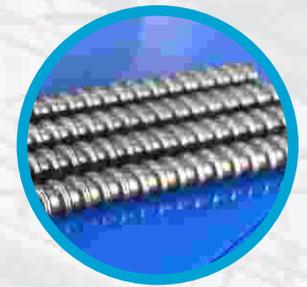
Grinding Range	Dia 250mm to 450mm
Tooth Pitch	25mm Max.
Saw Blade Thickness	4mm Under
Grinding Speed	80 - 110 Teeth/Min.
Cutting Angle	0 to 30 Degree
Grinding Wheel Diameter	Dia 75mm x 150mm
Grinding Wheel Motor	0.5 H.P.
Transmission Motor	0.5 H.P.
Net Weight / Gross Weight	190 / 255 Kgs. (Approx.)

Technical Specification of Saw Sharpening /Hot Saw/Cold Saw Grinding Machines:

PCR-50 used for re-sharpening of saw blade with chamfering option on alternate teeth



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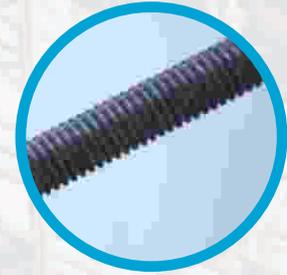
Two Roll Hydraulic Thread Rolling Machine

SPECIFICATIONS

TWO ROLL TYPE	SWW 40	SWW 50	SWW 80
Max. Pitch can be Rolled	3.5 Pitch	4.0 Pitch	5.0 Pitch
Max. Dia can be Feed	40mm	50mm	80mm
Max. Pitch can be in Through Feed	28mm	35mm	40mm
Thread Roll Width	125mm	150mm	180mm
Max. Rolling Length Through Feed	INDEFINITE	INDEFINITE	INDEFINITE
Thread Roller Dia	180mm	200mm	220mm
Spindle Dia	54mm	69.85mm	76.20mm
Max. Rolling Force	12 TON	15 TON	24 TON
Spindle Motor	7.5 H.P.	10 H.P.	10 H.P.
Hydraulic Motor	3 H.P.	5 H.P.	5 H.P.
Coolant Pump	0.16 H.P.	0.16 H.P.	0.25 H.P.



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Three Roll Hydraulic Thread Rolling Machine

SPECIFICATIONS

THREE ROLL TYPE	SWW 75	SWW 100
Outside Diameter	32mm - 75mm	32mm - 100mm
Thread Length in Feed	75mm	120mm
Through Length	INDEFINITE	INDEFINITE
Thread Roll Dia	160mm	180mm
Spindle Dia	54mm	69.85mm
Spindle Motor	3 H.P.	5 H.P.
Hydraulic Motor	7.5 H.P.	10 H.P.
Coolant Pump	0.16H.P.	0.25 H.P.

Scaffolding hydraulic thread rolling machine is used to thread solid and hollow pipes for making base jacks, solid jacks, u-jacks, outer prop sleeve. It uses three rolls to make thread profile of required depth by adjusting the movement of cylinder in our machine one can able to do round and square profile threading that is most widely used in scaffolding.



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Bar / Column Welding Machine

SPECIFICATIONS



Drive

R.P.M.

Motor

Operation

Air Pressure Required

Length Adjustment

Power

Required SPM

Power

Required Mig Welding

Frequency

Operating Voltage

Control

Production

Dimensions

Weight

4 to 5 Bar

350 to 1000mm

1 Phase, 220 Volts 5%

0.5 K.V.A.

3 Phase, 415 Volts 5%

9 K.V.A. Max.

50/60 H.Z.

24 Volts

PLC with Push Button

1200 - Approx.

6.5 (L) x 4 (W) x 7 (H) Feet Approx.

650 kgs. (Approx.)



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 www.sohal.global



Ledger Welding Machine

SPECIFICATIONS

Drive	Servo Motor With Servo Drive
R.P.M.	2 to 10
Motor	750 Watt
Operation	Pneumatic
Air Pressure Required	4 to 5 Bar
Length Adjustment	500 to 2400mm
Power	1 Phase, 220 Volts $\pm 5\%$
Required SPM	0.5 K.V.A
Power	3 Phase, 415 Volts $\pm 5\%$
Required Mig Welding	9 x 2 = 18 K.V.A. Max.
Frequency	50/60 H.Z.
Operating Voltage	24 Volts
Control	PLC with Touch Screen
Production	700 - 800 Approx.
Dimensions	13.5 (L) x 2.8 (W) x 6 (H) Feet Approx.
Weight	1100 Kgs. (Approx.)

 www.scaffoldingwelder.com



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Inner Prop Welding Machine

SPECIFICATIONS

Drive	A.C. Motor with V.F.D.
R.P.M.	2 to 12
Motor	0.5 H.P., 1440 R.P.M.
Operation	Pneumatic
Air Pressure Required	4 to 5 Bar
Length Adjustment	750 to 3000mm
Power	1 Phase, 220 Volts $\pm 5\%$
Required SPM	0.5 K.V.A.
Power	3 Phase, 415 Volts $\pm 5\%$
Required Mig Welding	9 K.V.A. Max.
Frequency	50/60 H.Z.
Operating Voltage	24 Volts
Control	PLC with Touch Screeen
Production	450-500 _{pcs} Approx.
Dimensions	14 (L) x 2.8 (W) x 6 (H) Feet Approx.
Weight	750 Kgs. (Approx.)



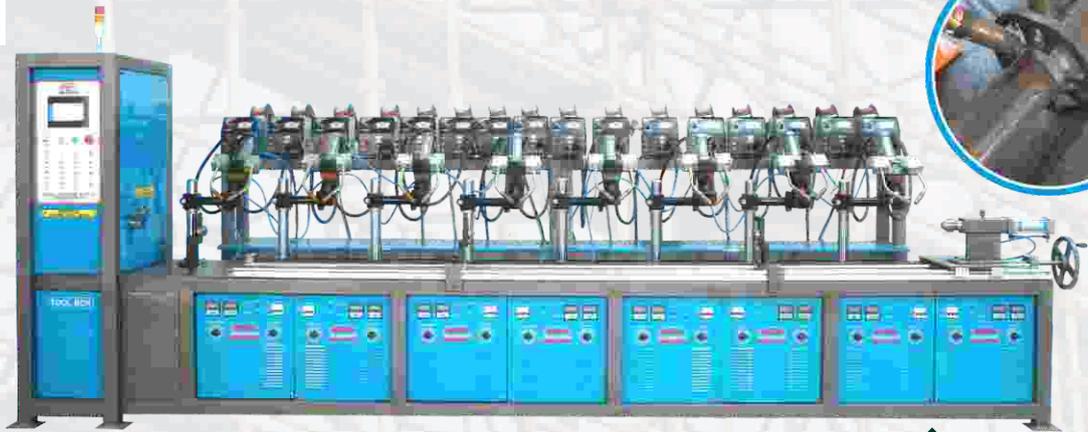
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Outer Prop Welding Machine

SPECIFICATIONS

Drive	A.C. Motor with V.F.D.
R.P.M.	2 to 12
Motor	0.5 H.P., 1440 R.P.M.
Operation	Pneumatic
Air Pressure Required	4 to 5 Bar
Length Adjustment	750 to 3000mm
Power	1 Phase, 220 Volts \pm 5%
Required SPM	0.5 K.V.A.
Power	3 Phase, 415 Volts \pm 5%
Required Mig Welding	9 x 2 = 18 K.V.A. Max.
Frequency	50/60 H.Z.
Operating Voltage	24 Volts
Control	PLC with Touch Screen
Production	400 - 450 Approx.
Dimensions	14 (L) x 2.8 (W) x 6 (H) Feet Approx.
Weight	900 Kgs. (Approx.)



Standard Ringlock Welding Machine

SPECIFICATIONS

Drive	A.C. Motor with V.F.D.
R.P.M.	2 to 10
Motor	1 H.P., 900 R.P.M.
Operation	Pneumatic
Air Pressure Required	4 to 5 Bar
Length Adjustment	500 to 3000mm
Power	1 Phase, 220 Volts \pm 5%
Required SPM	1 K.V.A.
Power	3 Phase, 415 Volts \pm 5%
Required Mig Welding	9 x 6 =54 K.V.A. Max.
Frequency	50/60 H.Z.
Operating Voltage	24 Volts
Control	PLC with Touch Screen
Production	380-400 Approx.
Dimensions	15 (L) x 2.8 (W) x 6 (H) Feet Approx.
Weight	2200 Kgs. (Approx.)



Standard Cuplock Welding Machine

SPECIFICATIONS

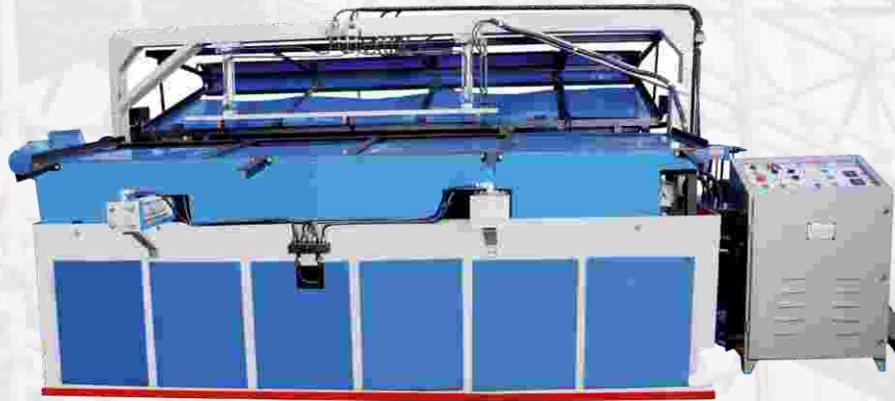
Drive	A.C. Motor with V.F.D.
R.P.M.	2 to 12
Motor	1 H.P., 900 R.P.M.
Operation	Pneumatic
Air Pressure Required	4 to 5 Bar
Length Adjustment	500 to 3000mm
Power	1 Phase, 220 Volts $\pm 5\%$
Required SPM	1 K.V.A.
Power	3 Phase, 415 Volts $\pm 5\%$
Required Mig Welding	9 x 3 =27 K.V.A. Max.
Frequency	50/60 H.Z.
Operating Voltage	24 Volts
Control	PLC with Touch Screen
Production	320-350 Approx.
Dimensions	14 (L) x 2.8 (W) x 6 (H) Feet Approx.
Weight	2100 Kgs. (Approx.)



Internal Pipe Threading / Acrow Prop Nut Threading Machine

SPECIFICATIONS

Drive	A.C. Motor
R.P.M. Output	60
Motor	5 H.P., 900 R.P.M
Operation	Pneumatic/Machanical
Pressure Required	8 to 10 Bars
Thread Size	4 T.P.I.
Tap Material	(M2) Imported
Control	PLC With Push Button
Production	1 Piece/Minute
Dimensions	8 (L) x 4(W) x 5(H) Feet Approx.
Weight	1800 Kgs. (Approx.)



Multi-Spindle Prop Drilling Machine

Description:

Multi Spindle Prop Drilling Machine is designed according to the customer requirement i.e. No. of drills, PCD and size of drill. Machine is operated with inbuilt Hydraulic system with electrical system. Machine has Auto/Manual option to easily adjust the parameters. One button/ Foot pedal start is provided in machine to start the production cycle. Job is clamped with Hydraulic cylinders in it's position and drilled from both sides with hydraulic operated slides mechanism. All the drills are driven with 4 motors to distribute the load for hassle free operation of the machine.

For 11 + 11 Drills

- Motor 5 H.P. x 4
- Hydraulic Motor 2 H.P.
- Coolant Pump 0.75 x 2
- Oil Required
- Hydraulic Oil 68 No. (Approx. 100 Ltr.)
- Soluable Cutting Oil (Approx. 50 Ltr.)
- Production (Approx. 1Pc/Minute)
- Loading / Unloading Manual
- Hassle Free
- 100% success results
- Only one unskilled person can operate
- Available in Single/Three phase motor options



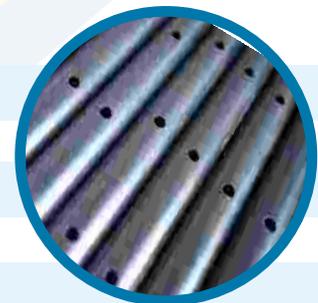
Inner Prop Hole Punching Machine

Description:

Avail from us a wide array of Pipe Punching Machine that are designed and made by expert professionals making use of superior quality raw material. Owing to a superior quality and artistically designed range, these machines are used in manufacturer of Scaffolding industries. Pipe is punched without any bur remaining on it & this machine is used for speed production. The smaller units are hand held and the larger units are suspended and balanced and both types can be used to produce round, oblong, square and special shaped holes as required.

Specification

Input Supply	380 Volts 3 Phase $\pm 10\%$
Hydraulic Motor	5x2Hp
Servo Motor	1.5 kw
Production	3 Pcs. In 2 Minutes
Hydraulic Oil Required	380 Litre, 68 No.
Pneumatic Air	5-8 Bar Regular
Dies	D2 Material
Electrical	Plc Controlled
Panel	Digital Trackpad/ HMi
P.c.d.	As Per Requirement
Program Saving Facility	Yes Upto 5





Automatic Scaffolding Pipe Straightening Machine

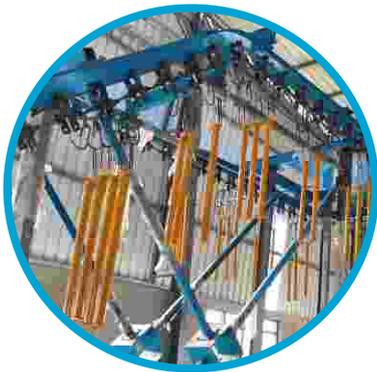
Description:

Being one of the most distinguished names in the industry, we are engaged in manufacturing and supplying a wide range of Automatic Scaffolding Pipe Straightening Machine. Manufactured from supreme grade raw materials, these machines are available in standard sizes and dimensions. We make sure that our range of straightening machine meets standards and norms set by the industry. Available at market leading prices, our range of Automatic Scaffolding Pipe Straightening Machine is highly accredited by our customers. Scaffolding Pipe Straightening Machine its hydraulically operated with electric foot valve. Its straightens any length of pipe with single person. 3-hp electric motor drive. Some of the features are:

- Foot Operated
- Electric and Hydraulics circuits with safety features
- Easily Operational
- Easy to Transport
- 100% Accuracy
- Adjustable die according to pipe sizes
- Hassle free
- 100% success results
- Only one unskilled person can operate
- Fully Automatic
- Available in Single/Three phase motor options
- No more labour problem



Automatic Painting Conveyor For Scaffolding



Description:

Painting solution provided by SWW is designed for painting various type of Scaffolding Products with Dip Mechanism that is ENVIROMENT friendly. The Conveyor is designed with rigid beams and strong Chain system custom made with best quality roller bearing driven with the AC 5 H.P Ac motor and VFD for variable speed, combined with Reduction Gearbox. Cycle time can be adjusted according to the product and size. With the use of SWW painting conveyor the user save the paint , labour, space & higher production. The cycle is variable from 5 to 15 Minutes.

In SWW painting Conveyor Quick drying paint is used in a specially designed Tub . Scaffolding products like Ledger, Transom, Prop & Vertical are loaded from a table one side of the Conveyor with help of the hooks. 5 Pcs can be hanged in line & at gap of 2 to 3 Metres depending on different sizes .Hooks for different products and sizes are provided. Similarly Walk board, Beams & Other similar products can also be painted.



Mig/Mag Welders 300/500 Amp

SPECIFICATIONS

ITEM	UNIT	SWW 300
Supply	V	415 ±10%
Phase	Ph	3
Frequency	Hz	50/60
Load	KVA	9.5
OCV (DC)	V	22 to 46
Output (Min./Max.)	A	60/300
Output Steps	Nos.	16
Control Circuit	V	24
Torch	Model	AK-25
Motor	Type	Permanent Magnet
Torch Connector	Model	PM-3
Weight	Kgs.	143

SPECIFICATIONS

ITEM	UNIT	SWW 500
Supply	V	415 ±10%
Phase	Ph	3
Frequency	Hz	50/60
Load	KVA	18
OCV (DC)	V	26 to 53
Output (Min./Max.)	A	80 /500
Output Steps	Nos.	16
Control Circuit	V	24
Torch	Model	36-KD
Motor	Type	Permanent Magnet
Torch Connector	Model	PM-3
Weight	Kgs.	212

Key Features: For higher production and radio graphic welding.

SCAFFOLDING DIES

Prop Base Plate Making Die

Scaffolding Die



Final Product



Bottom Cup Die

Scaffolding Die



Final Product



Standard Hole Die

Scaffolding Die



Final Product



SCAFFOLDING DIES

H-Frame Brace End Making Die

Scaffolding Die



Final Product



Steel Prop G-Pin Die

Scaffolding Die

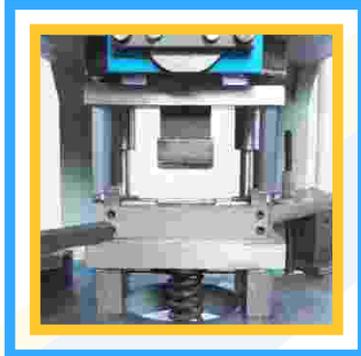


Final Product



Handle Bending Die

Scaffolding Die



Final Product

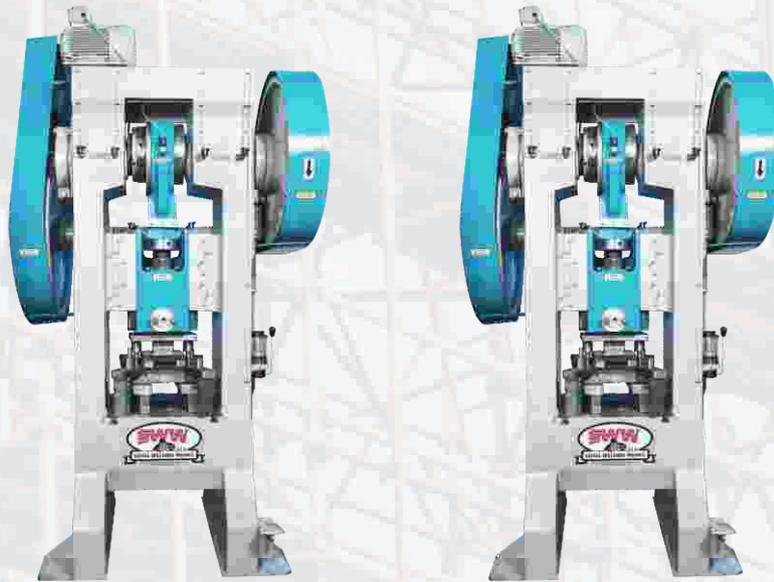




"C" Frame Press

SPECIFICATIONS

Capacity Tons	5	10	20	30	50	75	100	150	200	250	315	
Area of Bolster L-Rx-F-B	350x300	435x350	500x375	600x400	625x475	700x550	900x600	1000x700	1150x300	1200x850	1350x950	
Distance Between Bed of Ram (SUAU)	210	280	300	360	400	425	455	500	550	600	700	
Slide Stroke Length Adjustable or Fix	40	50	65	85	100	110	125	125	150	150	175	
Adjustment of Slide	25	25	28	30	35	40	45	50	60	70	75	
Shank Hole	25	28	30	35	40	45	50	55	63	65	70	
No. of Slide Strokes	55	50	50	45	45	40	40	35	30	30	25	
Main Motor	1/1440	2/1440	2/1440	3/1440	5/1440	7.5/1440	10/1440	15/1440	20/1440	25/1440	30/1440	
Motor Pulley Dia	B-2.5	B-3	B-3	B-4	B-5	B-6	B-7	B-7	C-8	C-8	C-9	
Height from Floor to Top or Bolster	625	325	675	700	725	750	775	825	825	825	850	
Bed Opened (Dia)	75	100	100	125	150	175	200	225	250	275	300	
Req. Air Pressure for Pneumatic Clutch (Kg/Cm)	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
Optional Die Cushion	Capacity	-	1.6	1.6	1.6	5.0	7.5	10.0	15.0	20.0	25.0	30
	Stroke Length	-	25	25	25	65	75	85	110	110	110	120
	Air Pressure (Kg/Cm)	5	5	6	6	5	5	5	5	5	5	5



Pillar Type Or 'H' Frame Press

SPECIFICATIONS

Capacity Tons	20	30	50	75	100	150	200	250	300	400	500	
Area of Bolster L-Rx-F-B	400x400	437x462	435x512	525x600	575x625	650x750	800x850	850x900	925x950	1025x1050	1100x1100	
Distance Between Bed of Ram (SUAU)	275	300	350	375	400	450	500	550	600	650	700	
Slide Stroke Length Adjustable or Fix	65	85	100	110	125	125	150	150	175	200	200	
Adjustment of Slide	28	30	35	40	45	50	60	70	75	85	90	
Shank Hole	30	35	40	45	50	55	63	65	65	75	80	
No. of Slide Strokes	50	45	45	40	40	35	30	30	30	25	25	
Main Motor	2/1440	3/1440	5/1440	7.5/1440	10/1440	15/1440	20/1440	25/1440	30/1440	40/1440	50/1440	
Motor Pulley Dia	B-4	B-4	B-5	B-6	B-7	B-7	C-8	C-8	C-9	C-9	C-10	
Height from Floor to Top or Bolster	650	650	700	725	750	800	825	850	850	875	900	
Bed Opened (Dia)	100	125	150	175	200	225	250	275	300	325	400	
Req. Air Pressure for Pneumatic Clutch (Kg/Cm)	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
Optional Die Cushion	Capacity	1.6	3.0	5.0	7.0	10.0	15.0	20.0	25.0	30.0	40.0	50.0
	Stroke Length	25	45	65	75	85	100	110	110	125	125	125
	Air Pressure (Kg/Cm)	5	5	5	5	5	5	5	5	5	5	5

REPAIR AND SERVICE

Sales & Repair

Contact our service division for:

- Technical queries
- Internal parts
- In-shop & call out (on site) repair bookings

Email: sohalwelding@gmail.com

We have you covered, we have your back!



Our Connected Brands



EXHIBITION PARTICIPATIONS





SOHAL WELDING WORKS

A LEADING MANUFACTURER AND EXPORTER OF AUTOMATIC
SCAFFOLDING MACHINES



WWW.SOHAL.GLOBAL

OUR OFFICE & WORK

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