

JASH
ACUMEN FOR ACCURACY



JASH PRECISION TOOLS LIMITED

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Represented By:

Due to continual developments, Specifications and Designs are subject to change.

Company Overview

Established in the year 1947 by Late Mr. Jashbhai Patel as a proprietary concern, JASH made its beginning with manufacturer of machine tools like lathe, drilling and slotting machines. With the passage of time, manufacturing of diversified products like Machine Tools Accessories, Precision Surface and Inspection Equipments, T-Slotted Bed Plates etc. was commenced in stages by Jash Precision Tools Limited (erstwhile firm JASH Engineering Industries, established in the year 1957 by converting the then existing proprietary concern).

Today JASH is a well diversified Engineering Group manufacturing products for the World markets.

JASH is a technology savvy company, is pioneer in India for manufacturing of Precision Surface Equipments (PSE), T-Slotted Floor / Bed Plates, Work Holding Fixtures, Tooling Aids and Precision 3-D Measuring Machines (PMM) since over 7 decades. All these years creating precise straight, flat, parallel and square surfaces in microns has been the core strength of the Company. Company also offers Custom-Built and fabricated products in allied line of manufacture.

Company has full fledged design office with 3D parametric modeling software for design of products, simulation of castings and casting design, pattern shop, ferrous foundry, material testing laboratory, stress relieving facility, general purpose & precision machining, assembly & testing and inspection facilities, all in-house. That is why JASH products are reliable and dependable for quality, reliability and delivery schedule.

Philosophy

The company philosophy is to be a market leader in each of its product segment. This is to be achieved by offering widest range and largest sizes in each product segment. Continuous product development and up-gradation of technology to offer long lasting trouble free cost effective products. Attending to the customized needs of the customers with emphasis on offering problem solving techniques / solutions, where others have failed.

Technology & Development

JASH has based its leadership on technological improvements. Constant development with a view to offer more value for customer's money is objective at JASH. JASH employs latest parametric based computer aided design technology along-with computer aided machining technology on CNC machines to ensure quality of manufacture, consistent with best in the world.

Customer Service

JASH recognizes the value of its customers and is sensitive to their needs. Prompt and consistent service is one of the reasons that JASH products have become the standard by which others are judged. JASH has representatives in major Indian cities and the representatives are assisted and backed by the Marketing, Sales & Technical services team based at the head office in Indore.

Strengths

- Complete Design & Manufacturing facilities available in house, under-one-roof.
- Customer driven approach to meet any tailor made requirements & deadlines.
- Our pursuit towards perfection & contribution for an increase in productivity & reliability.
- The Quality / price ratio of our products which shows our concern for customers who work continuously under economic constraints.
- Committed / devoted team with a zeal for continual improvisation.

Certifications / Accreditations

- NABL** accredited laboratory meeting **ISO/IEC-17025** requirements.
- ISO 9001-2015 certified company.



Cast Iron Surface Plates

Used as a precision reference base for inspection, tool making, gauging, spotting, marking and layout.

- MS Fabricated stand or cast iron column type floor stands supplied at extra cost
- Grid lines, tapped holes and Square / T-slots can also be provided upon request at extra cost
- Calibration Certificate is also provided by our in house NABL accredited laboratory.



Cast Iron Marking & Layout Tables

Used as a reference base for inspection, tool making, gauging, spotting, marking and layout operations.

SALIENT FEATURES

- Supplied with Column type C. I. Floor stands or M.S. Fabricated stands with leveling screws provided to achieve a desired working height or Floor anchoring type for installation in pit at average floor level.
- Special features like grid slots for location, tapped holes and T-slots can be provided on working surface, if required.
- C.I. Surface tables made from one piece casting, in unit sizes tabulated below, offered in any of the three grades of Flatness accuracies viz. Grades 1, 2 and 3 as per DIN-876 or IS: 2285-2003, as required.
- Sectional unit size surface tables adopted for the larger made up sizes are provided with arrangement for interconnection at their joints.
- Calibration Certificate is also provided by our in house NABL accredited laboratory.

Standard sizes (L x W) in mm as under

2000 x 1250	2000 x 1500	2000 x 2000	2400 x 1200
2500 x 1000	2500 x 1250	2500 x 1500	2500 x 1600
2500 x 1750	2500 x 2000	3000 x 1000	6000 x 2000
3000 x 1600	3000 x 2000	3000 x 3000	3500 x 2500
4000 x 1000	4000 x 2000	5000 x 1000	5000 x 2000
6000 x 1000	3000 x 1250	3000 x 1500	7000 x 2000

* Other sizes can be offered on request

Cast Iron Lapping Plate

Used for accurate hand-lapping of ferrous and non-ferrous parts to obtain perfect surface form/flatness

- Offered in square, rectangular and round type.
- Top surface provided with 3x3 mm grooves at a pitch of 25 to 30 mm. Top surface offered duly hand scrapped.
- Calibration Certificate is also provided by our in house NABL accredited laboratory.

Standard sizes are available from 250x250 to 1000x1000 mm in square and rectangular, and from 100 to 600 mm dia in round type. Other sizes offered on request.

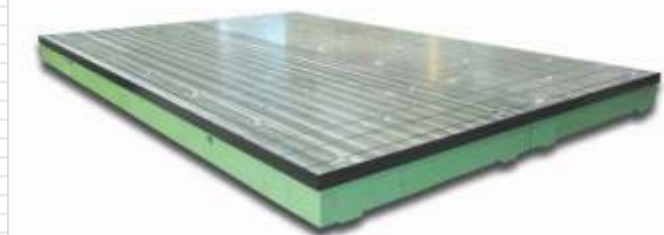
Standard sizes C.I.Surface Plates & their accuracies as per IS: 2285

Size in mm L x W	Flatness Accuracy in µm		
	Grade 0	Grade 1	Grade 2
250 x 250	3.5	7	15
400 x 250	4.0	8	16
400 x 400	4.5	9	17
630 x 400	5.0	10	20
630 x 630	5.0	10	21
1000 x 630	6.0	12	24
1000 x 1000	7.0	14	28
1600 x 1000	8.0	16	33
2000 x 1000	9.5	19	38

* Other sizes can be offered on request



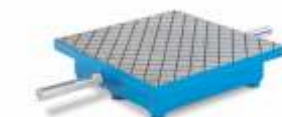
C.I Marking Table of overall assembled size 12000 x 9000 mm (made up of 12 nos individual plates of size 3000 x 2000 x 300 mm)



C.I Layout Table (Floor anchoring type) of overall size 5000 x 3000 mm made up of 2 Nos individual plates of size 5000 x 1500 mm) With Square Slots



Round Type



Square / Rectangular type

Granite Surface Plates

Used for precision gauging, inspection, layout and marking purposes. They are preferred by Precision Tool Rooms, Engineering Industries and Research Laboratories because of their following outstanding advantages - no rust, no corrosion, relatively warp-free, non magnetic, less care after commissioning, lower co-efficient of thermal expansion and non glaring surface.

SALIENT FEATURES

- Plates with Metallic threaded inserts, Metallic T-slots, two or four ledges can also be supplied against specific request at extra cost.
- Rexine cover provided for top working surface with standard size plates.
- Fabricated Frame / Cupboard type / Cast Iron column type stand with leveling screws are available on request at extra cost.
- Active and Passive air mounts are offered upon request, at extra costs.
- Granite Lapping Plates square and rectangular available on request.
- Calibration Certificate is also provided by our in house NABL accredited laboratory.

Standard sizes and Tolerance of Flatness

Size in mm L x W	Grade 0 µm	Grade 1 µm	Grade 2 µm	Grade 3 µm
250 x 250	3.5	7.0	15.0	30.0
400 x 250	4.0	8.0	16.0	32.0
400 x 400	4.5	9.0	17.0	34.0
630 x 400	5.0	10.0	20.0	39.0
630 x 630	5.0	10.0	21.0	42.0
1000 x 630	6.0	12.0	24.0	49.0
1000 x 1000	7.0	14.0	28.0	56.0
1600 x 1000	8.0	16.0	33.0	66.0
2000 x 1000	9.5	19.0	38.0	75.0

* Other sizes can be offered on request

Cast Iron Straight Edges

Bow Shaped/Camel Back Type & I-Section/Parallel Type

Used for checking accuracy of straight and flat surfaces, leveling and alignment of machines, turbines and machine tools and for marking and reconditioning purposes. Calibration Certificate is also provided by our in house NABL accredited laboratory.

Standard sizes and accuracies

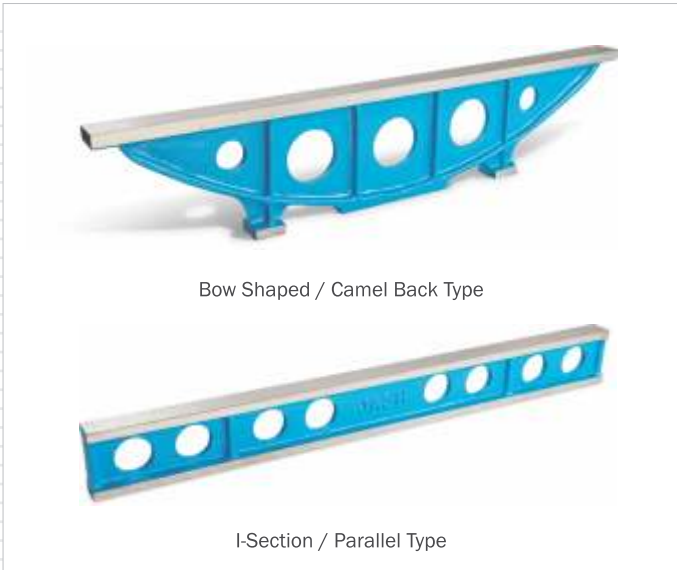
Length mm	Grade - 0 µm	Grade - 1 µm	Grade - 2 µm
300	2	3	6
500	3	5	10
800	3	6	12
1000	5	10	20
1600	6	12	24
2000	10	20	40
3000	15	30	60
4000	20	40	80
5000	25	50	100
6000	30	60	120

* Other sizes can be offered on request

Prismatic or Triangular Type

Used for spotting, truing and reconditioning of dovetailed guide ways of machine tools and slides.

- Available lengths: 250,300,500,600,750,1000,1250,1500 and 2000 mm
- Available working angles: 30°, 45°, 50°, 55° & 60°
- Calibration Certificate is also provided by our in house NABL accredited laboratory.
- Offered in two grades of accuracies. Maximum error in specified angle between the working surfaces within ±5° for Grade-1 and ±10° for Grade-2

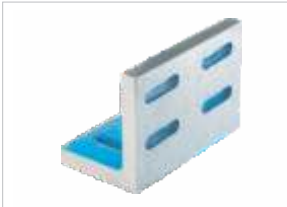


Cast Iron Angle Plates

Used for clamping and holding work in vertical position for layout, tooling and machining. Angle Plates are also used as a vertical reference for inspection. Angle Plate with T-slots on vertical side and elongated holes on table face made upon request at extra cost. Calibration Certificate is also provided by our in house NABL accredited laboratory.



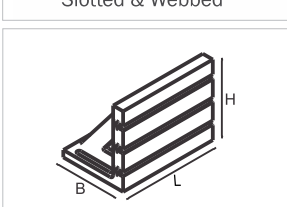
Plain



Slotted & Webbed



T-Slotted



Cast Iron Large Angle Plates

(Individual / Stacked)

They provide a practical means for clamping and holding work in vertical position for layout, tooling and machining.

SALIENT FEATURES

- These can be made in single piece or in Multiple pieces that can be used either single or in combination for comprehensive applications.
- The vertical working surface is machined finish having flatness of vertical surface and perpendicularity between table face and vertical working surface as per DIN 875.
- T-slots on the vertical working face will be machined, along and / or across to the base as per the requirement.

Standard sizes of single piece Angle Plates

H x L x B	H x L x B
1200 x 1000 x 600 mm	1500 x 1500 x 900 mm
1500 x 1200 x 1000 mm	1600 x 900 x 900 mm
2000 x 1500 x 1200 mm	2200 x 700 x 1100 mm
2500 x 1000 x 1400 mm	3000 x 1500 x 1200 mm
5000 x 1300 x 2000 mm	

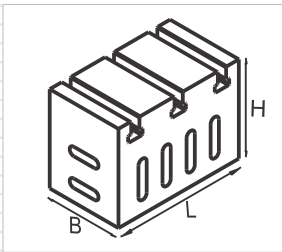
* Other sizes can be offered on request



Cast Iron Box Angle Plate

Used for inspection, layout, tooling and machine set ups. Also used as parallels, right angles or squares.

Box Angle Plate in matched pairs also offered upon request at extra cost. Calibration Certificate is also provided by our in house NABL accredited laboratory.



Sizes L x B x H mm	T-Slot details Size mm No. Pitch mm			Grade of Accuracy	Flatness of working faces µm	Parallelism of opposite faces µm	Squareness of working faces µm
125 x 75 x 100	12	2	50	1	5	13	10
				2	25	63	50
175 x 100 x 125	2	3	63	1	5	15	13
				2	25	63	50
250 x 150 x 175	12	4	63	1	8	12	15
				2	38	88	75
350 x 200 x 250	14	4	80	1	8	20	18
				2	38	28	75
450 x 300 x 350	14	4	100	1	10	20	18
				2	50	113	100
600 x 400 x 450	18	5	100	1	10	23	20
				2	50	113	100

* Other sizes can be offered on request

Cast Iron Box Table / Riser Block

Serves as a versatile tool for machine set – ups, tooling job clamping and inspection of large jobs. They can easily be made into special fixtures by providing tenons, pins or stops. Matched pairs can be used as parallels and height blocks.

SALIENT FEATURES

- These can be made in single piece or in two sections that can be used either single or in combination for comprehensive applications for jobs or fixtures 5 meter or more in height.
- The vertical working surface is machined finish, having flatness and perpendicularity between table face and top face with vertical working surface as per DIN 875.
- The T-slots on vertical face as well as on top face provided along and / or across the length, as required.

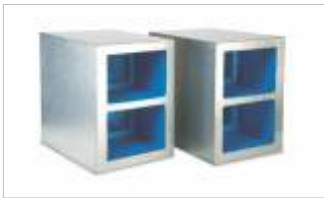


Riser Block sizes in mm	Box Table sizes in mm
L x B x H	L x B x H
300 x 150 x 500	300 x 400 x 300
500 x 200 x 500	300 x 400 x 600
600 x 300 x 500	450 x 600 x 900
1000 x 350 x 1000	600 x 750 x 1500
1200 x 800 x 400	750 x 700 x 900
2000 x 800 x 400	750 x 900 x 1000

* Other sizes can be offered on request

Cast Iron Box Parallels

- Used in machine shop for set-ups, building up height of work on machine tables and for scribing and inspection.
- Box Parallel in matched pairs offered upon request at extra cost.
- Calibration Certificate is also provided by our in house NABL accredited laboratory.



Standard sizes in mm
H x W x L
100 x 100 x 100
100 x 150 x 150
125 x 200 x 300
250 x 250 x 250
250 x 350 x 350

* Other sizes can be offered on request

Cast Iron Swivel Angle Plate

Used for setting job at an angle quickly and correctly. They make an ideal accessory for milling, drilling, grinding and shaping operations

- Graduated for settings 0 to 90° on the boss itself for better setting accuracy and longer life of scale.
- Flatness of working face within 0.012/300mm.
- T-slots parallel to edges within 0.05/300 mm



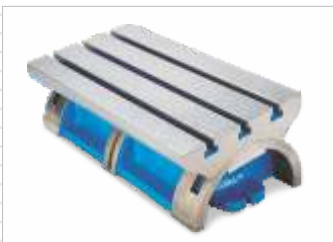
T-Slot details			
Sizes in mm	Size	No.	Pitch
L x B x H	mm		mm
200 x 150 x 150	14	3	40
300 x 250 x 250	14	4	63
400 x 300 x 300	14	4	63
500 x 400 x 400	14	4	100
600 x 400 x 400	14	4	100

* Other sizes can be offered on request

Cast Iron Tilting Tables

Used for various engineering operations where angular setting of the job is required.

- Swivel face has machined T-slots along the length and swings upto 45° on either side.
- Graduated for setting 0 to 45° either side on the end face of cylindrical base itself for better setting accuracy
- Flatness of working face within 0.05/300mm. Table top & base parallel within 0.05/300 mm



T-Slot details			
Sizes in mm	Size	No.	Pitch
L x B x H	mm		mm
300 x 150 x 100	14	3	50
400 x 300 x 200	14	3	100
400 x 225 x 150	14	3	65
500 x 500 x 300	14	4	125
600 x 300 x 200	14	3	100
1000 x 500 x 500	18	4	125

* Other sizes can be offered on request

Cast Iron Inspection Bench Center

Used for precision inspection and checking various parameters like concentricity, facial and radial run out etc. in tool room and machine shop. Calibration certificate is also provided by our in house NABL accredited laboratory.

Salient Features:

- Made generally as per IS: 5989
- Standard Sizes: **Admit between Centre (ABC):** 300 mm, 500 mm, 750, 1000 mm, 1250 mm, 1500 mm, 1750 mm, 2000 mm, 2500 mm and 3000 mm.
- **Height of Centre (HC):** 125 mm, 160 mm, 200 mm, 250 mm and 300 mm.

*Other sizes can be offered on request

Extra accessories offered on request, at extra cost:

- Roller guide attachment for heavy jobs.
- Stub Centres.
- Carbide Tipped dead centre.
- Taper and parallel test mandrels.
- Concentricity Checking Attachments.
- Gear PCD Run out Checking Attachments.



V-Blocks

Used in workshops , tool rooms & standard rooms for variety of application in tooling and inspection purposes such as marking accurate centers, checking concentricity, parallelism etc. Calibration certificate is also provided by our in house NABL accredited laboratory.



Standard sizes (in mm)						
Plain V-blocks (C.I, Steel & Granite)				Cast Iron Universal Type		
Dimensions		Dia of work piece		W x L x H		
W	x L x H	Min.	Max.			
40	50 40	5	40	100	63	100
50	50 50	5	50	160	80	160
50	63 50	5	50	200	100	200
50	63 50	5	50	300	125	300
80	63 80	7	80			
100	63 100	8	100	Cast Iron Elongated Type		
140	70 140	9	140	W x L x H		
63	80 63	7	63	40	100	30
80	100 80	7	80	50	160	35
200	150 200	10	200	63	200	63
				100	300	63

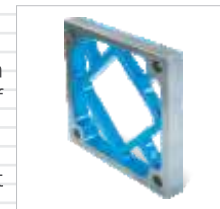
* Other sizes can be offered on request

Cast Iron Machine Checking Frame

Used for checking of orthogonal axes of machine tools and fixtures which need to be verified periodically.

Salient Features

- Made from close grained Cast Iron Castings conforming to Grade FG-220 of IS-210
- All faces offered duly hand-scraped finish
- Teak-ply storing case provided on request at extra cost.



Standard sizes available			
Sizes (in mm)	Flatness	Squareness	Parallelism
L x B x H	µm	µm	µm
300 x 300 x 50	4	6	6
400 x 400 x 50	4	8	8
500 x 500 x 50	8	10	10
600 x 600 x 50	8	10	10

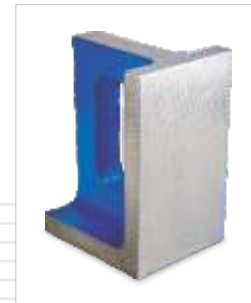
* Other sizes can be offered on request

Cast Iron Universal Right Angle

Used widely for fixture component as well as for checking squareness and parallelism. Work can be clamped on either face and rotated through three planes without the need for repositioning. Available in various sizes and accuracy.

SALIENT FEATURES:

- Squareness of faces within 10 µm/100 mm.
- Parallelism of faces within 10 µm/100 mm.
- Finer accuracies can also be achieved on request at extra cost.
- Teak-ply storing case provided on request at extra cost.
- Calibration certificate is also provided by our in house NABL accredited laboratory.



Sizes in mm	
L x B x H	
100 x 100 x 125	100 x 100 x 150
100 x 125 x 150	100 x 125 x 200
125 x 200 x 300	150 x 175 x 250
150 x 200 x 250	150 x 150 x 200
200 x 250 x 300	200 x 250 x 400
250 x 300 x 400	300 x 300 x 600

Cast Iron Right Angle

Used as vertical reference for inspection of components and for checking squareness.

Salient Features

- Made from close grained Plain Cast Iron Castings conforming to Grade FG-220 of IS-210 (equivalent to GG20 / FT20 / 30-A), Higher grades also offered on request.
- Two working surfaces (H x B & L x B) and sides offered with hand-scraped finish.
- Finer accuracies can also be achieved on request at extra cost.
- Teak-ply storing case provided on request at extra cost.
- Calibration certificate is also provided by our in house NABL accredited laboratory.



Sizes in mm	Squareness
H x L x B	µm
300 x 200 x 50	3
400 x 250 x 50	4
500 x 300 x 50	5
600 x 400 x 50	6
800 x 500 x 50	8
1000 x 600 x 50	10

* Other sizes can be offered on request

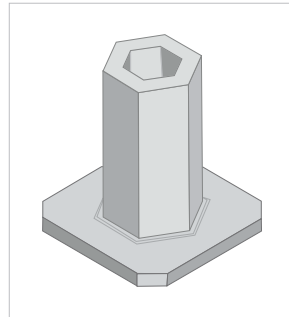
Tooling Blocks / Columns

Tooling Blocks provide four vertical surfaces to hold jobs in vertical plane for machining on NC-CNC Machining Centers, boring machines etc. The Four working surfaces permit mounting of multiple jobs at one time resulting into reduced set up time and optimum utilization of machines. These are available in Square, Rectangular and Frame type construction to suit Horizontal Machining Centers size 400 x 400 mm to 1000 x 1000 mm and can also be made to specific requirements.

SALIENT FEATURES

- M16 tapped holes / helicoil inserts, vertical tenon slots/edge locator tapped holes / coolant drain holes, can be offered upon request.
- Bottom base can be provided with counter bored holes for fixing / clamping on machine pallet, upon request.
- Working faces flat, Square and parallel within 25 µm (0.001") over 300mm (12"). Better accuracies also offered upon request at extra cost.
- Milled Tooling Blocks also offered with suitable allowance (extra metal) for final finish machining on user's own machining centres, on request.

* Special features, if required, can also be offered.



Pallet Sub Table / Clamping Pallet

These sub tables are used on original pallets of NC-CNC machining centers to protect the pallet surface. They allow provision of ready fixtures for tooling up and minimize loss of operating time. They can also be used as sub plates to provide larger space for work-setting. These are provided with T-slots and or Tapped holes and are made to suit Horizontal Machining Centers having pallet size 400x400 mm to 1000x1000 mm. These can also be made to suit specific requirements.



Vibration Isolated Work Tables (VIWT)

JASH Vibration Isolation Work Table (VIWT) is mainly known as Optical & Opto-Electronics Laboratory Work Table used in Laboratories as Work Station for **PASSIVE ISOLATION** for sensitive equipment like Laser, Optics, Optical and Electronic Scales, Medical Equipment and measuring instruments. These precision work tables are also used in Metrology Rooms / Laboratories for measurements of very precise components like roundness testers, gear measuring machines, surface measuring machines, etc. The work table can be of Granite Stone or SH-V Stress Relieved Gray Cast Iron. The Work Table top surface can have features of drilled holes, tapped holes, guiding grooves, milled T-slots or any other features as may be required for applications.



VIWT has feature of low frequency isolation and self leveling of Work Table. Work Table can be isolated from vibrations up to (a) Vertical natural frequency approximately 2.0 Hertz or better and (b) Horizontal natural frequency approximately 3.0 Hertz or better. For some applications coarser vibration isolation up to about 10±2 Hertz or more can also be supplied.

'G' for Granite work table

'C' for Gray Cast Iron work table

'S' for non-magnetic Stainless Steel

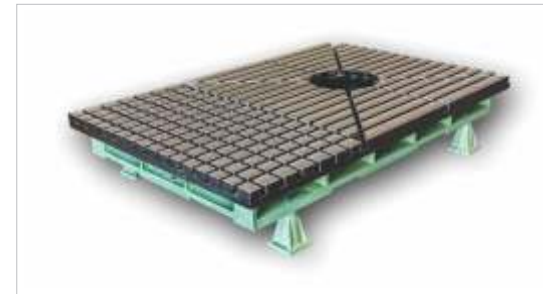
* Maximum load capacity on work table is based on Grade 'II' accuracy of work table. For flatness accuracy Grade 'I' this load will be 50% and for flatness accuracy Grade '0' this load will be 30%.

Model	Work Table Nom. Size (L x W x H) mm Granite or Cast Iron only	*Maximum load capacity
J-VIWT-G / C / S - 63.63.08	630 x 630 x 80	80 Kg.
J-VIWT-G / C / S - 100.63.10	1000 x 630 x 100	150 Kg.
J-VIWT-G / C / S - 120.90.10	1200 x 900 x 100	250 Kg.
J-VIWT-G / C / S - 160.100.15	1600 x 1000 x 150	400 Kg.
J-VIWT-G / C / S - 200.100.15	2000 x 1000 x 150	600 Kg.
J-VIWT-G / C / S - 250.100.15	2500 x 1000 x 150	800 Kg.

* Other sizes can be offered on request

Cast Iron T-slotted Floor Plate / Bed Plate / Test Bed

Used as rigid bases for layout, marking, inspection, assembly work, large fixtures, special tooling and production setups, as also for mounting jobs for precision welding or for carrying out machining operations like drilling, boring etc. and also as test beds for mounting engines, large machines, transmission or other industrial equipments.

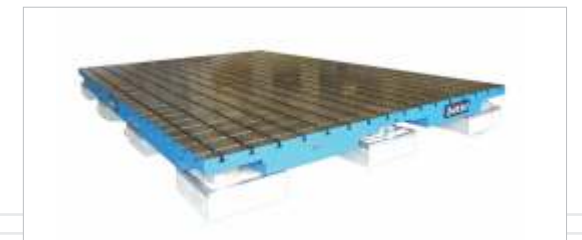


Light & Medium Duty (ELMD) type Clamping Plates suitable for use as tables or beds for light duty work like layout, marking, inspection, testing, assembly, setups, light fabrication etc. These are machined on top bottom and two longitudinal edges. Ends are machined only upon request. These plates can be encased into concrete by filling grout material underneath the plates.



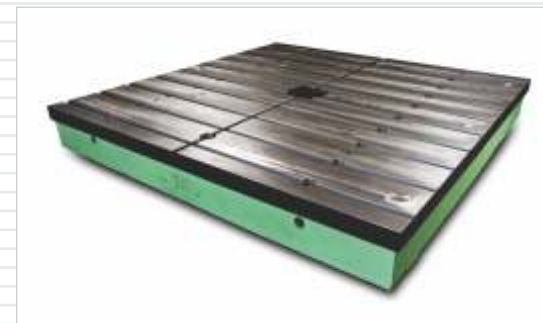
Mechanical / Air Spring Mounting Type

JASH Cast Iron T-slotted Base Plates, having machined mounting pads for resting on mechanical/air springs. They are generally used in testing of automotive engines, electrical motors, motor generating sets etc.



Cast Iron Test Bed With Cored Hole

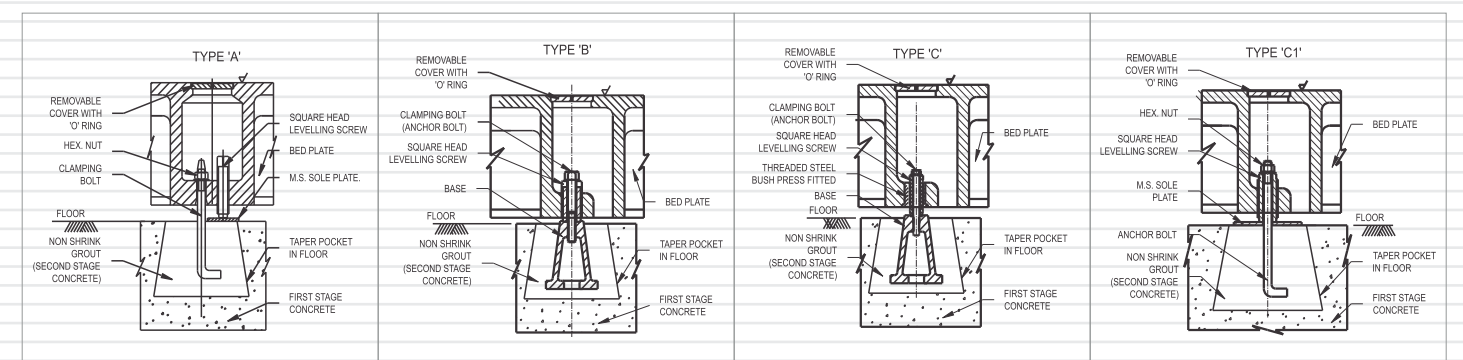
JASH Cast Iron T-slotted Bed Plates with cored hole are generally used for testing/assembly of vertical shaft motors.



Sizes in mm L x W	Sizes in mm L x W	Sizes in mm L x W
1000 x 1000	3000 x 1500	4000 x 2500
1500 x 1000	3000 x 2000	4000 x 3000
1500 x 1500	3000 x 2500	5000 x 1500
2000 x 1000	3000 x 3000	5000 x 2000
2000 x 1500	3500 x 1500	5000 x 2500
2000 x 2000	3500 x 2000	6000 x 1000
2500 x 1000	3500 x 2500	6000 x 1500
2500 x 1500	3500 x 3000	6000 x 2000
2500 x 2000	4000 x 1000	6000 x 2500
2500 x 2500	4000 x 1500	7000 x 2000
3000 x 1000	4000 x 2000	

*Other sizes are available on request.

Leveling and Anchoring Arrangements



Cast Iron Clamping Rails / Floor Skids / Fitter Bars

JASH Floor Clamping Rails or Fitter Bars or Floor Skids as commonly known, have a very wide range of uses. These rails are placed in line and rows to the required pitch, for example 500mm (or as per customer's requirement) apart, provide economical solutions for large planes with T-slotted Floor area for assembly, fabrication and testing of large components / machines etc. These are permanently grouted in concrete floors.



Standard sizes of Clamping Rails

With 28 mm / 36 mm T-slot					
Code	Length (mm)	Width (mm)	Height (mm)	No. of L&A# pads	No. of T-Nut Entry Pockets
CFS200	2000	200	110	3	2
CFS300	3000	200	110	4	3
CFS400	4000	200	110	5	3
CFS500	5000	200	110	6	5

With 42 mm T-slot					
Code	Length (mm)	Width (mm)	Height (mm)	No. of L&A# pads	No. of T-Nut Entry Pockets
CFS200	2000	200	120	3	2
CFS300	3000	200	120	4	3
CFS400	4000	200	120	5	3
CFS500	5000	200	120	6	5

L&A : Leveling and Anchoring

* Other sizes can be offered on request

Cast Iron Welding Platen

Used as bending blocks, set up Blocks, Layout Blocks, Assembly Platens, Welding Platens. They have a wide application in Shipyards, Rail Roads, Pipe and Steel Fabrication Shops, Welding and where metal is Formed, Shaped or Welded.



Welding Table with square & round holes

CI Welding Table Sizes

Code	Sizes in mm			
	L	x	W	x H
CWP100100	1000	x	1000	x 100
CWP150100	1500	x	1000	x 100
CWP150150	1500	x	1500	x 150
CWP200150	2000	x	1500	x 150
CWP250150	2500	x	1500	x 150
CWP250200	2500	x	2000	x 200
CWP300150	3000	x	1500	x 200
CWP300200	3000	x	2000	x 200
CWP350200	3500	x	2000	x 250
CWP400200	4000	x	2000	x 250

*Other sizes are available on request.

ACCU Fab Welding Table

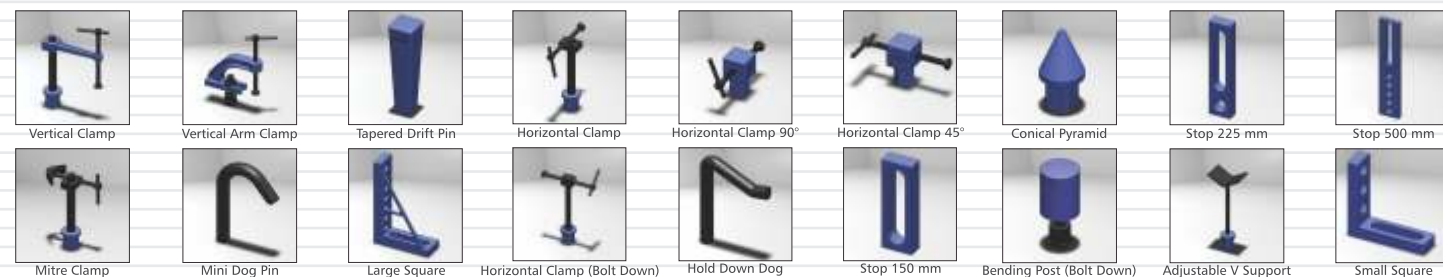
JASH "ACCU-FAB®" 2-D and 3-D welding tables are designed for accurate setting of welding jobs with convenience of welding in mind. They are available in various standard sizes as well as custom-built sizes requiring job configurations for welding e.g. in angles, stepped angles, different elevated vertical heights etc.



"ACCU-FAB" Welding Table

Accu-Fab Welding Table Sizes

Sizes in mm			
L		W	H
800 x	1000/1600/1800/2000/2400/3000	x	835-945
1000 x	1000/1600/1800/2000/2400/3000	x	835-945
1200 x	1000/1600/1800/2000/2400/3000	x	835-945
1500 x	1000/1600/1800/2000/2400/3000	x	835-945
2000 x	2000/2400/3000	x	835-945



Layout Marking & Measuring Machines

Application:

- Marking and Measurement of Sheet Metal Components, Car Body, Dies and Fixtures etc.
- Reverse engineering, Digitizing & Inspection of large and heavy components.
- Styling and Milling Application.
- Clay models making, measuring of graphic data.
- Measurement of master-models, wooden or metallic moulds.
- Measurement of all other three-dimensional objects.

Measuring Range:

Axis	Range
X	1000-20000 mm
Y	500-1600 mm (Single), 1600-3000 mm (Twin)
Z	500-3500 mm

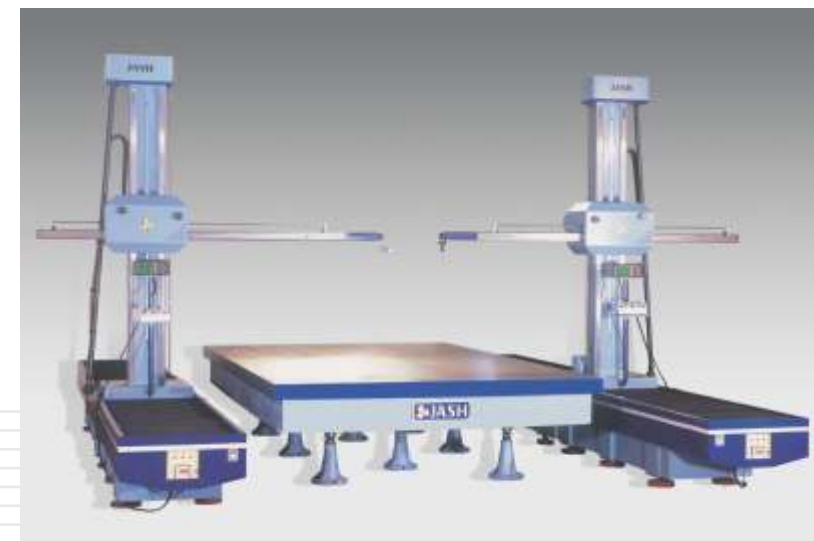
Accuracy:

For Measuring machines : 30+"L"/30 µm (Standard)

For Marking machines : 300+"L"/25 µm (Standard)

(Where 'L' is measured length in mm)

Better accuracy on requests.



Software:

Standard: 3D Geometric Inspection with DMIS Module

Optional Modules:

- Scanning / Digitizing for Reverse Engineering
- Profile Analysis
- Surface Inspection
- 3D Bent Tube Inspection & Analysis
- CAD / CAM Connectivity



Marking / Scribing Accessories



Stainless Steel Enclosures for SF6 Gas Insulated Electrical Switchgear

Used in 36kV to 145kV rating SF6 Gas Insulated Electrical Switchgear.

Three different types of Enclosures can be offered viz, Bus, Switch and for Cable Termination with or without RFT Body as per the customer requirements and other features can also be incorporated.

SALIENT FEATURES

- Supplied in Stainless Steel material SS 304 or SS 316.
- Stainless Steel Enclosures are tested for Welding Quality by Dye-Penetrant Test, Ultra-sonic Test and by Radiography
- Only Qualified Welders and Qualified process is used. Stainless Steel Enclosures are precision machined on CNC Machines to obtain Geometrical and positioning accuracy
- Stainless Steel Enclosures are electro-polished to give a surface finish of Ra 0.8
- SS Enclosures are powder coated as per Customer's choice of paint
- Tested for sniffer Helium Leak Test up to 2×10^{-6} std cc/sec



Bus Enclosure



Enclosure For Cable Termination



Switch Enclosure

Frames / Housings / Electrical Rotating Machines

Used in Electrical Rotating machines like AC/DC Motors, Generators, Traction Motors.

Can be supplied in CACA, CACW, TEFC, TETV & TENV frame types and of Frame sizes, 315, 355, 400, 450, 500, 560

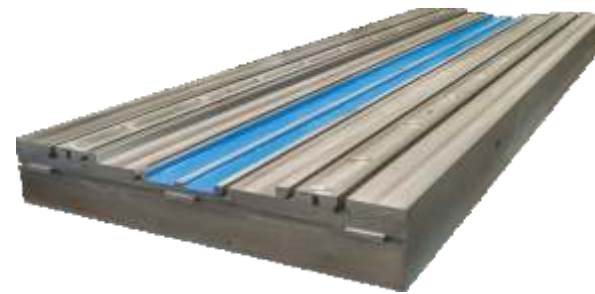
SALIENT FEATURES

- Manufactured in the state of the art facility with different steel grades as per the customer requirements
- With dis-similar welding facility and heavy machining meeting size and geometrical tolerance requirements.
- Having Heavy Fabrication, Boring, milling, Blasting, Painting and testing facilities under one roof, gives better controlled, quality product with reliability, in time. .



Housing Frame

Varied Special Products



Few of our esteemed customers



NOTES