

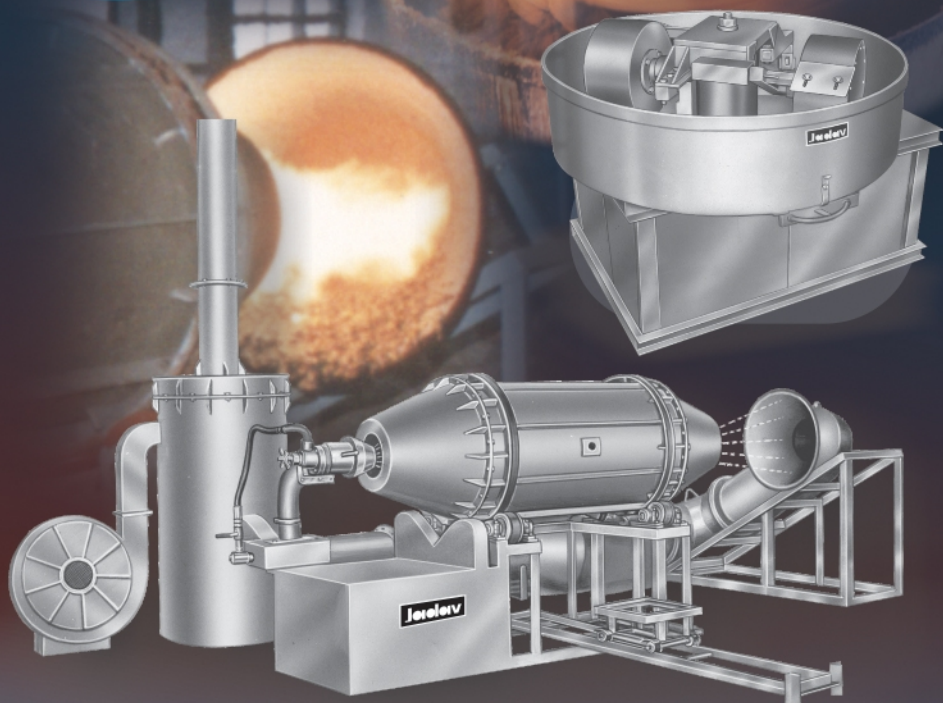


Jaidorv

INDUSTRIES

MFRS.

Foundry equipments



FIRST NAME IN FOUNDRY EQUIPMENTS

ROTARY OIL FIRED FURNACE :

“JADAV” offers an efficient & ideal new design unit for high temp. And low fuel cost for melting C.I., Alloy, Ferrous & Non-Ferrous metals. Simplicity of operation & high thermal efficiency. The shell is fabricated robustly from M.S. Plates and remaining other parts from heavy gauge sheets. The center portion is cylindrical & the ends are conical.

Two M.S. Tyres are provided on the shell rotation. The base frame structure is robustly fabricated for continuous heavy & hard use. The drive support and guide rollers are of cast iron. The roller shafts are mounted on heavy duty bearings coupled pedestals.

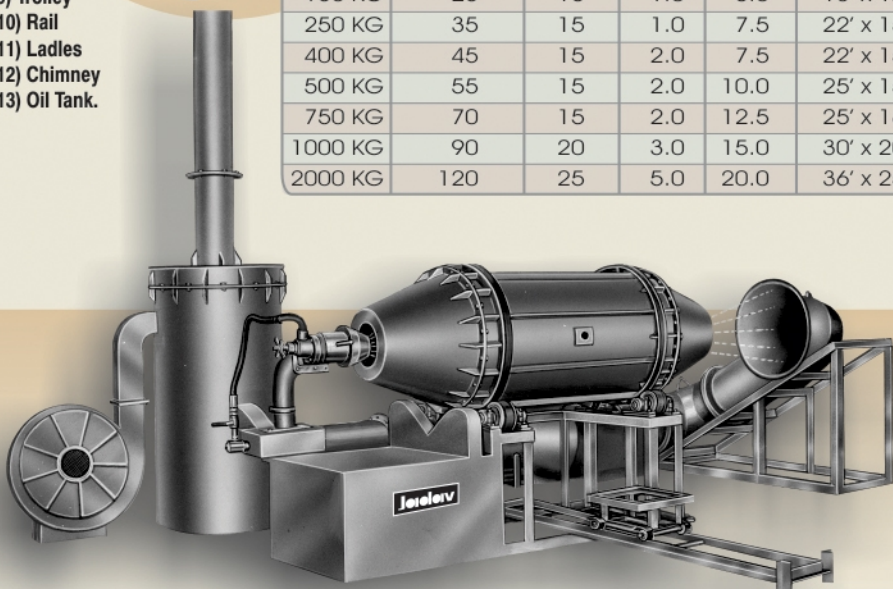
The Burning system consists of a high capacity & efficient Burner. An efficient new design steel tube Recuperate and burner is used to preheat the air more. Result in fuel saving & also ensures quicker melts. Rapid Melting, Intimate Mixing, Flexibility of production, Lower Melting Cost.

The Furnace is supplied complete with following units ...

- (1) shell Nos.
- (2) Frame with rolloers running on bearing coupled pedestals.
- (3) Reduction gear with Ele. Motor for shell driven.
- (4) Burner.
- (5) Draught chamber.
- (6) Recuperator
- (7) Exhaust Bends.
- (8) Motorised Air Blower
- (9) Trolley
- (10) Rail
- (11) Ladles
- (12) Chimney
- (13) Oil Tank.

REFRACTORY, ELECTRIC & PIPE FITTING ARE NOT SUPPLY WITH FURNACE. ON COMPLETION OF ERECTION GIVING A COMPLETE SATISFACTORY TRIAL.

Melting Capacity (apprx.)	Melting Time Minutes (apprx.)	Heating Time Minutes	H.P. Of Ele. Shell H.P.	Motor Blower H.P.	Ground Area required L x W
25 KG	12	10	0.5	2.0	15' x 12'
50 KG	16	10	0.5	3.0	15' x 12'
100 KG	20	10	1.0	5.0	18' x 12'
150 KG	25	15	1.0	5.0	18' x 12'
250 KG	35	15	1.0	7.5	22' x 15'
400 KG	45	15	2.0	7.5	22' x 15'
500 KG	55	15	2.0	10.0	25' x 15'
750 KG	70	15	2.0	12.5	25' x 18'
1000 KG	90	20	3.0	15.0	30' x 20'
2000 KG	120	25	5.0	20.0	36' x 25'



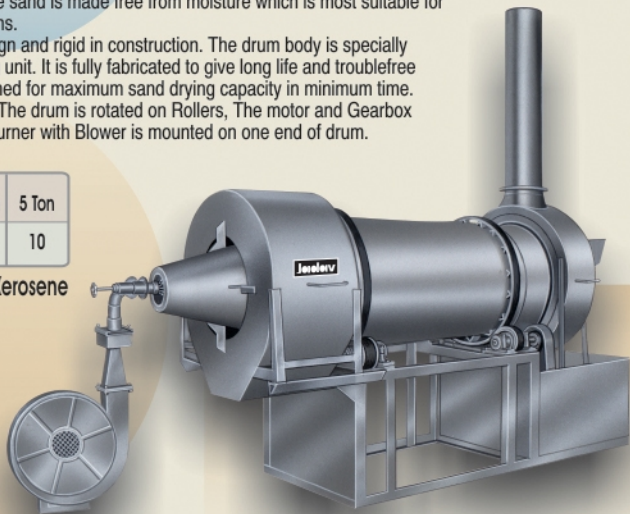
SAND DRIER :

"JADAV" Sand Drier is specially designed to improve quality of the sand which ultimately reflects in quality and economy of the castings. The sand is made free from moisture which is most suitable for moulding processes and other applications.

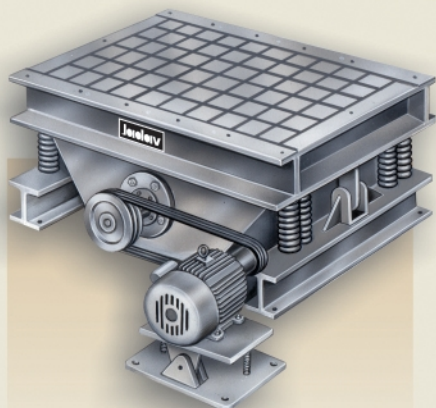
"JADAV" Sand Drier is sturdy in design and rigid in construction. The drum body is specially designed to withstand high temp of firing unit. It is fully fabricated to give long life and troublefree services. The machine is specially designed for maximum sand drying capacity in minimum time. To avoid heat loss the drum is insulated. The drum is rotated on Rollers, The motor and Gearbox is provided for drum drive system. The Burner with Blower is mounted on one end of drum.

Capacity/Hr.	250 Kg.	500 Kg.	1 Ton	2 Ton	5 Ton
H.P.	2	3	5	7.5	10

FUEL * Furnace Oil * LDO * Diesel * Kerosene



KNOCK OUT :



"JADAV" Knock Out is used for separating poured casting from the mould. Structure made from heavy M.S. Material for continuous heavy & hard use. Continuous knocking operation helps to break the lumps. Grid is replaceable and bolted on the top of frame. For smooth discharge of knocked out sand, Frame is slopping at bottom. Heavy duty Bearing are provided to sustain heavy shock from loads and keep free from service for years. Main shaft carries eccentric weights at both ends & V-Belt pulley to receive drive from Ele.Motor. Entire assembly is mounted on freely suspended springs rubber butts provided to restrict axial deflection. Ele. Motor mounted on spring loaded base plate for self belt tension. The machine stops the breakage and increase the life of Mould Box and its use.

Deck Size L x W - M.M.	Gride Opening M.M.	Electric H.P.	Capacity M.T. (approx.)
750 x 600	50 x 25	2	0.5
900 x 750	100 x 25	3	1
1200 x 900	100 x 25	5	2
1500 x 1000	100 x 25	7.5	3
1500 x 1200	100 x 25	10	4
1800 x 1200	100 x 25	12.5	5
2100 x 1500	100 x 25	15	7

CORE OVEN :

"JADAV" Electrical Core oven is becoming popular in present price rising situation. They are constructed from M.S. angle and sheet fully welded. Heaters are mounted in well designed position in oven. The sturdy trays compartments are provided to place cores. These trays can be taken out, if bigger height cores are to be backed inside. The oven is completely insulated by glass/mineral wool/ceramic wool. The doors are sealed properly, So that no heat escaped from it. Inside temperature is directly indicated by meter.

The oven gets off when desired setting temp, reaches in oven. So there is no possibility of over backing or under backing. The circular fans are provided for uniform temp. In compartment a separate control panel is provided with thermostat, an indicated lamp, air break, controller, starter for motor, digital thermometer, Amp & Volt Meter.

This is the best suitable core-oven for small and large size foundries Most useful for foundry, Abrasive, Ceramic, Fertilizer, Colour, Masala, Refractory, Food, Detergent, Plastic and Paint industries etc.



3' x 3' x 3' - 9 K.W.

4' x 4' x 4' - 12 K.W.

5' x 5' x 5' - 24 K.W.

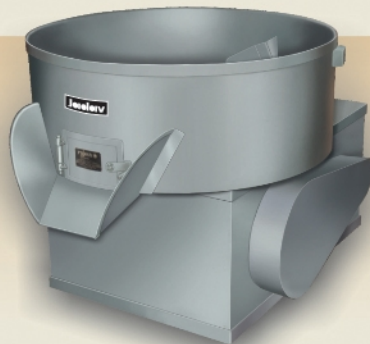
6' x 6' x 6' - 40 K.W.

CORE SAND MIXER :



"JADAV" Core Mixer is specially designed on sound principles for mixing Foundry CORE SAND and similar materials. The Sturdy chassis is robustly fabricated from heavy section M.S. Capable of with-chassis standing continuous heavy & hard use. The 'S' type Impellers (Blades) are of fabricated steel with tips of wear resistive edge are replaceable, and mounted on center bracket. Breaker Blocks are provided at suitable height inside which gives a kneading action on the sand for a thorough mixing. The discharge door is side door type with positive locking. The counter system drive through V-Belt by motor, which in turn drive the bevel-Pinion Gear/Reduction Gear Box for Maximum efficiency. This is advance design for Big and Small Foundry.

Most useful for FOUNDRY, ABRASIVE, CERAMIC, FERTILIZER, COLOUR, MASALA, REFRACTORY, FOOD, DETERGENTS, MINERALS INDUSTRIES ETC.



Batch Capacity (apprx.)	R.M. OF Impellers	Ele. Motor H.P.	Dia. Of pan m.m. - Ft.
25 KG	33-40	2.0 H.P.	750-2.5'
50 KG	33-40	3.0 H.P.	750-2.5'
75 KG	33-40	3.0 H.P.	750-2.5'
100 KG	33-40	5.0 H.P.	900-3.0'
200 KG	33-40	7.5 H.P.	900-3.0'
300 KG	33-40	10.0 H.P.	1200-4.0'
400 KG	33-40	12.5 H.P.	1200-4.0'
500 KG	33-40	15.0 H.P.	1500-5.0'
750 KG	33.40	20.0 H.P.	1500-5.0'
1000 KG	33.40	30.0 H.P.	1800-6.0'
2000 KG	33.40	50.0 H.P.	2100-7.0'

TILTING FURNACE :

" JADAV " Offer ruggedly constructed, the oil fired crucible furnace can withstand both thermal stresses and severe working conditions.

The steel furnace casing is lined with high Grade Alumina refractories and backed with insulation. The furnace is supplied with L.A.P. Oil Fired Burner and designed for firing of any grade of Oil. A separate Motorised blower delivers the air required for combustion.

For General foundry use, it is the smoothest working and simplest Oil Fired furnace used for melting Al, Brass, Gun Metal, Copper, Non-Ferrous Alloys and Cast-iron. Refractory, Electrical & Pipe fitting are not supply with the furnace. It is inexpensive, easy to installed and costs little to maintain.

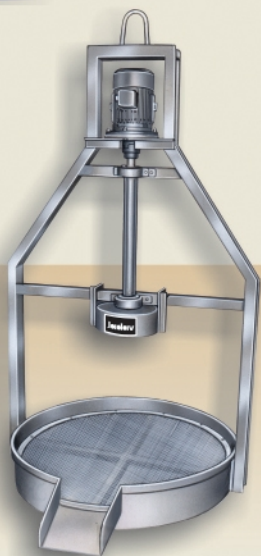
THE FURNACE SUPPLY WITH...

Shell * Stand along with Bearing Coupled - Pedestals * Reduction gear assembly * Motorised Blower * Burner * Oil Tank * Ladles.

TYPE : MELTING * HOLDING * TILTING * SALT BATH.



SAND VIBRATOR :



" JADAV " Offers vibrating Screens for Faster, More Accurate Sizing, Splitting or Correction Sand Vibrator is designed on scientific principles, Sturdy & Compact Construction of M.S. With simple mechanism. The sieve is easily replaceables as and when required.

The bearings are greased lubricated and housed in dustproof housing. The vibrator is portable and hence quickly available in any part of corner, where screening is essential. The unit is more than " just a screen. " It is a precision tool producing accurate grades, not merely rough grouping of size. It is economical of power and space. Longlife screen replacement. Sand vibrator dispense with strenuous manual work, increcises output and indispensable to any foundry. Available in several models, special size, multi deck and be completely enclosed desired for dust proof operation.

Most useful for FOUNDRY, ABRASIVE, CERAMIC, COSMETIC, PHARMACEUTICAL, FERTILIZER, COLOUR, MINERAL, REFRACTORY, MASALA, DETERGENT & other industries etc.

Screening Area	Ele. Motor H.P.	Capacity (apprx.)
2.5' Dia	0.5 H.P.	1-2 TPH
3.0' Dia	1.0 H.P.	1-2 TPH
5'L x 3'W	2.0 H.P.	3-4 TPH
6'L x 3'W	2.0 H.P.	4-5 TPH
8'L x 3'W	2.0 H.P.	5-6 TPH
2'o x 5'L Rotary	2.0 H.P.	5-6 TPH

MOULDING MACHINE :

"JADAV" H.M. Machine has rigid construction and easy for operation. Now a days this is favorable in Small & Medium Foundry also.

The design of machine incorporates the central fabricated structure. The minimum force for lifting is required because of special lever type design. Special lock system is provided for lifting. So without manual lifting of handle the roads will not give any movement. Covers are provided on all side to protect from sand. The operating lever can be adjusted to minimize lifting force. They are ideal for accurate & repetitive types Moulding jobs. Simple in design but sturdy in construction and also easy to maintenance.

PIN LIFTING * MANUAL * HYDRAULIC * PNEUMATIC.

SIZE : 12" X 12" to 36" X 36"



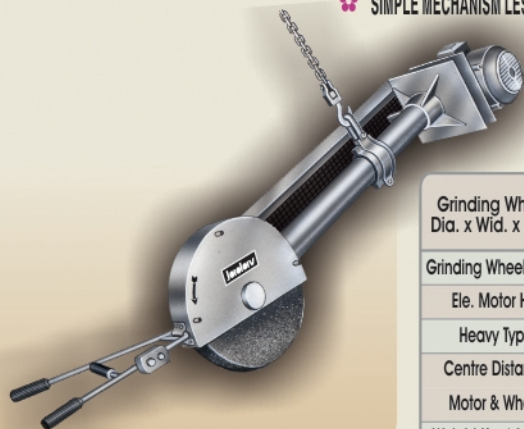
SWING FRAME GRINDER :

If casting jobs can't go to grinder, the Grinder must go to castings, through "JADAV" If casting, billets, ingots & jobs are too heavy to carry to your grinder, you have to go to get a Swing Frame Grinder that can grid your jobs.

"JADAV" manufacture a range of Grinders for Foundry and Steel Plant. The main body is constructed from heavy seamless pipe. The main heavy Plated Wheel Housing is mounted on front side and Ele. Motor is on rear side of pipe on fabricated structure/ the Bearing Housing, V-Belt & Belt guard are provided on one side of machine. Right & Heavy duty bearing increase the life of machine & consume less power. The belt tightening provision is made at the motor end. The Grinder is precisely made to make the machine vibration free. The complete machine is balanced and suspended by chain.

IDEAL SOLUTION FOR HEAVY AND UNTRANSPORTABLE CASTING & JOBS.

* SIMPLE MECHANISM LESS MAINTENANCE. * CHOOSE THE ONE THAT FITS YOUR NEED.



Grinding Wheel Dia. x Wid. x Bore	300 x 40 x 25.4 m.m.	400 x 65 x 152.4 m.m.	500 x 75 x 230.2 m.m.	600 x 100 x 300 m.m.
Grinding Wheel R.P.M.	2200	2100	1730	1500
Ele. Motor H.P.	5 H.P.	7.5 H.P.	10 H.P.	15 H.P.
Heavy Type	7.5 H.P.	10 H.P.	15 H.P.	20 H.P.
Centre Distance				
Motor & Wheel	900 m.m.	1400 m.m.	1700 m.m.	2000 m.m.
Weight Kg. (Apprx.)	100 Kg.	200 Kg.	300 Kg.	500 Kg.

SAND MIX MULLER :

"JADAV" Mix-Muller is most popular in all type and size of foundry. It works on the principle to achieve better green strength & permeability possible with the given Mixture.

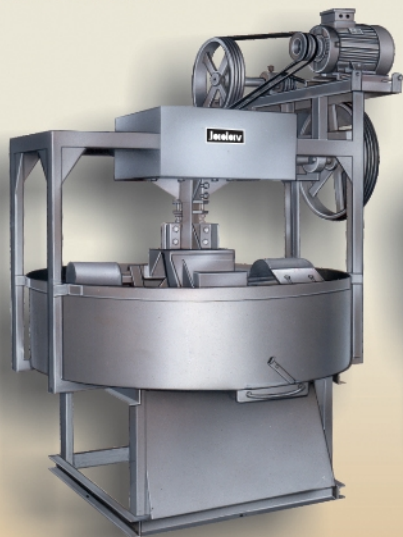
The sturdy chassis is robustly constructed from heavy section M.S. Capable for continuous heavy & hard use. Roller made from close grain C.I. Heavy weight & more width for better mulling action & minimize mixing time. Central Bracket made from heavy M.S. Plates & keyed to main shaft, carries Scrapers & Mulling Roller. Main shaft is coupled with Bevel-pinion/Reduction Gear Box unit & driven by Ele. Motor through V-Belts, act as safety measure in case of overloading or any obstruction in the Crib.

The Scrapers are so co-ordinated for a continuous Mixing and Mulling the sand, also minimize mixing time. No crushing and no sand remains unmixed or heterogeneous. More No. of right & heavy duty Bearings increase the life of machine & consume less power.

The installation and maintenance of the machine is very easy. "JADAV" Mix Muller therefore stands for **More tonnage per hour, more uniform sand at lowest cost.**

Most useful for **FOUNDRY, ABRASIVE, POWDER, CERAMIC, FERTILIZER COLOUR, DETERGENT, REFRACTORY, MINERALS, FOOD, PAINT AND MASALA industries etc.**

Batch Capacity (apprx.)	Ele. Motor H.P.	Muller Size Dia. x w.	R.P.M. OF Muller (apprx.)	Dia. Of pan m.m.- ft. (apprx.)
25 KG.	2.0 H.P.	10" x 5"	24-28	750-2.5'
50 KG.	3.0 H.P.	12" x 6"	24-28	900-3'
75 KG.	3.0 H.P.	12" x 6"	24-28	900-3'
100 KG.	5.0 H.P.	16" x 8"	24-28	1200-4'
150 KG.	5.0 H.P.	16" x 8"	24-28	1200-4'
200 KG.	7.5 H.P.	18" x 9"	24-28	1500-5'
250 KG.	7.5 H.P.	18" x 9"	24-28	1500-5'
300 KG.	10.0 H.P.	18" x 9"	24-28	1500-5'
400 KG.	12.5 H.P.	18" x 9"	24-28	1500-5'
500 KG.	20.0 H.P.	20" x 10"	24-28	1650-5.5'
750 KG.	25.0 H.P.	20" x 10"	24-28	1800-6'
1000 KG.	30.0 H.P.	24" x 12"	24-28	1800-6'
2000 KG.	50.0 H.P.	24" x 12"	24-28	2100-7'
3000 KG.	75.0 H.P.	27" x 18"	24-28	2900-8'
4000 KG.	100.0 H.P.	30" x 18"	24-28	2700-9'
5000 KG.	150.0 H.P.	36" x 21"	24-28	3000-10'

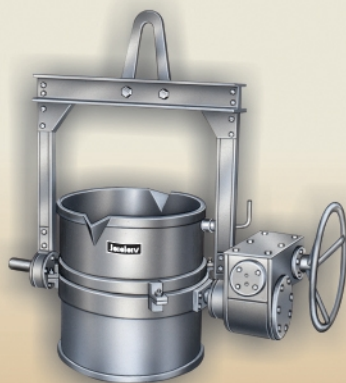


TILTING LADLE :

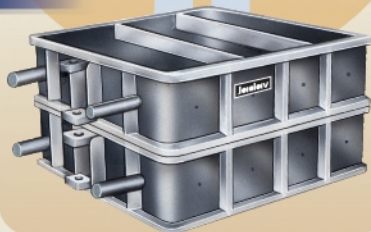
"JADAV" Tilting Geared Lades are manufactured as per I.S.I. standard and made out of tested heavy section materials for heavy & hard use. The bail arm is strong enough to withstand heat & load for years together without any distortion. Refractory retaining rings provided for holding the lining. Vent holes are provided to remove gases. A locking device is provided to keep the ladle vertical during handling.

Lades are designed for C.I. and steel foundry with adequate provision of safety factor. The Gear Box is of robust construction with precision machined parts and total dust proof protection. The Lades are turn through one full rotation. The Tilting Lades are finely balanced, so that little force is required to turn easily. Ladle of customers choice and specification can also be supplied.

Range : 250 kgs. to 20 tons capacity.



MOULD BOXES :



"JADAV" offer different Type and Size M.S. Mould Boxes fabricated from heavy sections. M.S. Plate, Flat, Square & round with fully welded for continuous heavy & hard use. We can provide Boxes suitable for few grams to several tones castings for loose pattern and plate pattern.

All Moulding Boxes designed for there through workmanship with built in quality and safety feature.

JIL TYPE- Suitable for Hand Moulding & Machine-Moulding.

JIM TYPE- Suitable for heavy duty Machine-Moulding.

JIH TYPE- Suitable for extra heavy duty moulding.

GENERAL SPECIFICATION

"JADAV" offers Foundry Equipments designed on sound principles and unique requirements of there through workmanship with built in quality & Safety features. That assures long term trouble free unmatched services and price fetch you real value for your investments. All machine backed by years of experience in design & Developments. Our complete

foundry Equipments are also designed to best suit the INDIAN climatic as well as WORKING conditions. The performance SUPERIORITY of our Equipments are reflected in the REPEAT orders from the users of other make Equipments also.

We have earned the name TRUSTED for ourselves for the workmanship and efficient after sales-services.



Jadav INDUSTRIES

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