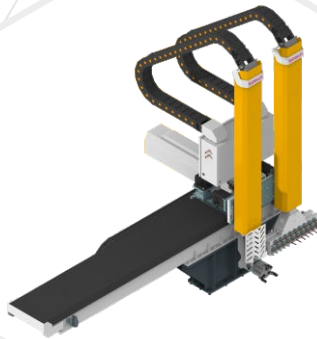


febtech

Innovative Solutions for Aluminium Foundry

www.febtech.co.in

DIE CASTING AUTOMATION EQUIPMENTS



ABOUT US

Febtech Industries is located in Aurangabad-India, specialized in manufacturing and selling die casting machine equipment and spare parts. We have skillful professional engineers; Combined with innovative manufacturing technology; Carried out the perfect management system, we have become a trusted and powerful new edge enterprise.

Febtech continuous innovation in die casting automation, we import the latest manufacturing technology, audit the machining process; acquire modern components to make the advance, premium quality, and high precision automatic equipment. Due to our high quality and low rates, we are the first choice of customers.

The company has two manufacturing units in Aurangabad-India and has a large sale in India, we have exported our equipment to Mexico, Turkey, Malaysia, Thailand, USA, Egypt, Brazil, Sweden, South Africa, Vietnam. We make highly satisfied users of TOSHIBA, TOYO, BUHLER, IDRA, LK, YIZUMI, ITALPRESSE, FRECH and ZITAI die casting machines.

Febtech is certified with ISO 9000-2015 & CE.



OUR MISSION

To exceed our customer expectations in Quality, Delivery, Service & Cost through continuous improvement & new innovation.



OUR VISION

To be the world's most reliable and innovative manufacturer, service and solution provider in Aluminum Die Casting Industries.

Started development of Die Casting Machine, New plant is under process for Die casting machine manufacturing.

Developed and start manufacturing of 2 Axis sprayer and 4 Axis sprayer.

Developed and manufacture Mould Vacuum Unit, Jet Cooling Unit & Mould Temperature Controller.

Started manufacturing of auto extractor & cooling conveyor, and hydraulic die clamping unit (QMCS)

Established new plant for fabrication and started to manufacturing auto ladle & auto sprayer

New plant established & started to manufacturing degassing machine

Launched die coat mixing equipment and shot sleeves for die casting.

Started to making die casting machine peripherals.

Company established new plant & Started ejector pin manufacturing and die casting consumables like ladle cup, plunger rod, etc

Started to make die-casting machine peripheral machine parts.

Started to making die casting tool room parts.

Company started as tool room, worked for the aluminum die casting industry.

2000

2002

2004

2006

2008

2010

2012

2014

2016

2018

2020

2022

AUTO LADLE



Auto Ladle

FEATURES

- With five-point-linkage structure, which ensure high stability and increase production output.
- The rotating part adopt self lubricating bearing to ensure stable performance.
- Ladle arm & pouring motion controlled by the drive
- Pouring capacity controlled by encoder, which is easy and convenient for operation.
- Additional safety metal level sensor
- Speed reducer motor with brake
- Machine equipped with safety interlocks
- High precision universal gear box
- Easy to set ladle parameters on HMI
- High speed & accuracy

ADVANTAGES

- Increase productivity
- Low maintainance
- Consistency in shot weight
- Reduce cycle time

TECHNICAL SPECIFICATION

Sr.No	SPECIFICATIONS	FEBTECH-0090	FEBTECH-0100	FEBTECH-0110	FEBTECH-0110A
1	Suitable Machine Capacity	180-400 T	500-800T	1000-1250T	1600-2000T
2	Pouring Capacity	0.5 to 8Kgs	2.5 to 12 kgs	5- 15 Kgs	15-25 Kgs
3	Pouring Accuracy	±2%	±2%	±2%	±2%
4	Cycle Time	15 Sec	18 Sec	18 Sec	20 Sec
5	Diameter of Crucible	Min 500mm	Min 600mm	Min 850mm	Min 900mm
6	Ladle Arm Dipping	350mm	450mm	550mm	700mm
7	Arm Motor Capacity	0.75Kw	1.1Kw	1.5 Kw	2.2Kw
8	Ladle Motor Capacity	0.2Kw	0.37Kw	0.37Kw	0.75Kw
9	Input Power	415V 50 Hz	415V 50 Hz	415V 50 Hz	415V 50 Hz
10	Control Power	24 V DC	24 V DC	24 V DC	24 V DC
11	Input Power	415V, 3ph 50 Hz	415V, 3ph 50 Hz	415V, 3ph 50 Hz	415V, 3ph 50 Hz
12	Electrical Hardwares	Siemens	Siemens	Siemens	Siemens
13	Control System	Mitsubishi & Delta	Mitsubishi & Delta	Mitsubishi & Delta	Mitsubishi & Delta
14	Color	Silver + Yellow	Silver + Yellow	Silver + Yellow	Silver + Yellow
15	Machine Size : (LXHXW)	92X110X140	80X90X55	150X210X81.5	150X210X81.5
16	Packing Size : (LXHXW)	102X115X150	90X100X65	152 x 220 x 91.5	152 x 220 x 91.5
17	Net & Gross Weight	351 / 411	351 / 411	699 / 658	598 / 746

Note: For more technical information please write to us marketing@febtech.co.in

SERVO SPRAYER TWO AXIS



FEATURES

- Servo operating system
- Could stop at any X & Y axis position for spraying and air blowing
- Multi function & multi programable spraying
- Six Module sprayer block can be programe spraying
- High precision RV reduction gear.
- Machine equipped with safety interlocks
- Multiple spraying programe can save die/mould wise
- Interface with any die casting machine

ADVANTAGES

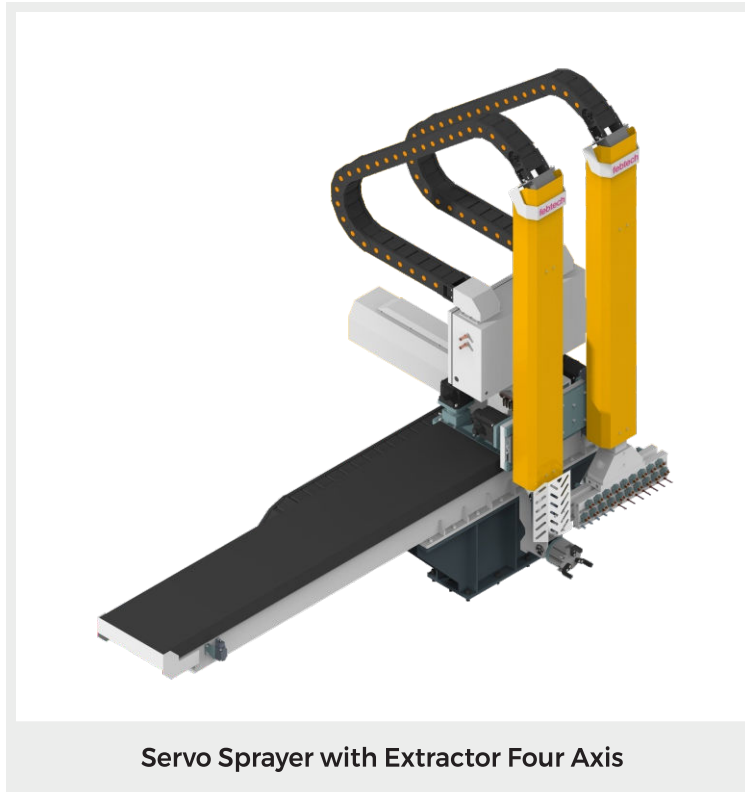
- Low maintenance & low consumable cost
- Minimum cycle time and maximum productivity
- Control on dycote consumption
- User friendly operating

TECHNICAL SPECIFICATION

Sr.No	SPECIFICATIONS	FEBTECH-0120	FEBTECH-0130	FEBTECH-0140	FEBTECH-0150
1	Suitable Machine Capacity	250T-400 T	500-800T	1000-1600T	2000-2500T
2	Spray Nozzle for Fixed Side	10 pcs	15 pcs	19 pcs	24 pcs
3	Spray Nozzle for Moving Side	10 pcs	15 pcs	19 pcs	24 pcs
4	Air Blowing Nozzle Fix Side	8 pcs	10 pcs	10 pcs	13 pcs
5	Air Blowing Nozzle Moving Side	8 pcs	10 pcs	10 pcs	13 pcs
6	Sprayer heads covered width	300-380mm	400-530mm	600mm	730mm
7	Sprayer head thickness	150mm	220mm	240mm	240mm
8	Air Pressure	5-6kgf/cm ²	5-6kgf/cm ²	5-6kgf/cm ²	5-6kgf/cm ²
9	Air Pressure Inlet port	1" BSP	1 1/4" BSP	1 1/4" BSP x 2	1 1/4" BSP x 2
10	Ascending Time	1s	1.3s	1.5s	2s
11	Descending Time	1s	1.3s	1.5s	2s
12	X Axis servo motor	1.0kw	1.0kw	1.5kw	1.5kw
13	Y Axis servo motor	2.0kw	2.0kw	2.2kw	2.2kw
14	Control Power	24 V DC	24 V DC	24 V DC	24 V DC
15	Input Power	415V, 3ph 50 Hz	415V, 3ph 50 Hz	415V, 3ph 50 Hz	415V, 3ph 50 Hz
16	Electrical Hardwares	Siemens	Siemens	Siemens	Siemens
17	Control System	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
18	Pneumatics	SMC	SMC	SMC	SMC
19	Color	White + Yellow	White + Yellow	White + Yellow	White + Yellow

Note: For more technical information please write to us marketing@febtech.co.in

SERVO SPRAYER WITH EXTRACTOR FOUR AXIS



FEATURES

- Servo operating system
- Could stop at any X , Y & Z axis position for spraying and air blowing
- Multi function & multi programable spraying
- Six Module sprayer block can be programe spraying
- High precision RV reduction gear.
- Machine equipped with safety interlocks
- Spraying & Extractor in one equipment
- Interface with any die casting machine

ADVANTAGES

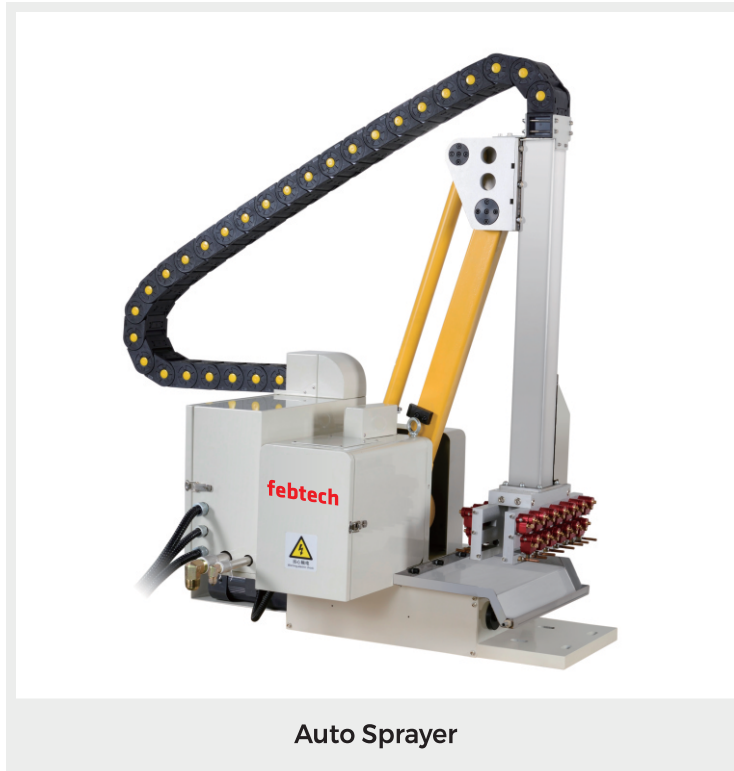
- Low maintenance & low consumable cost
- Minimum cycle time and maximum productivity
- Control on dycote consumption
- User friendly operating

TECHNICAL SPECIFICATION

Sr.No	SPECIFICATIONS	FEBTECH-0120	FEBTECH-0130	FEBTECH-0140	FEBTECH-0150
1	Suitable Machine Capacity	250T-400 T	500-800T	1000-1600T	2000-2500T
2	X- Axis Stroke	400 mm	600 mm	800 mm	1200 mm
3	Y-Axis Stroke	1200 mm	1400 mm	1600 mm	1800 mm
4	Z-Axis Stroke	2000 mm	2500 mm	3000 mm	3500 mm
5	X & Y Axis Speed	3000 mm/sec	2500 mm/sec	2500 mm/sec	2000 mm/sec
6	Z-Axis Speed	3000 mm/sec	2500 mm/sec	2500 mm/sec	2000 mm/sec
7	Buscuit Dimeter	40-80 mm	60-100 mm	80-120 mm	100-160 mm
8	Casting Weight	5 Kgs	10 Kgs	20 Kgs	30 Kgs
9	Ascending Time	1s	1.3s	1.5s	2s
10	Descending Time	1s	1.3s	1.5s	2s
11	Sprayer heads covered width	300-380mm	400-530mm	600mm	730mm
12	Sprayer head thickness	150mm	220mm	240mm	240mm
13	Air Pressure	5-6kgf/cm ²	5-6kgf/cm ²	5-6kgf/cm ²	5-6kgf/cm ²
14	Air Pressure Inlet port	1" BSP	1 1/4" BSP	1 1/4" BSP x 2	1 1/4" BSP x 2
15	X Axis servo motor	1.0kw	1.0kw	1.5kw	1.5kw
16	Y Axis servo motor	2.0kw	2.0kw	2.2kw	2.2kw
17	Z- Axis Servo Motor	2.0kw	2.0kw	2.2kw	2.2kw
18	Control Power	24 V DC	24 V DC	24 V DC	24 V DC
19	Input Power	415V, 3ph 50 Hz	415V, 3ph 50 Hz	415V, 3ph 50 Hz	415V, 3ph 50 Hz
20	Electrical Hardwares	Siemens	Siemens	Siemens	Siemens
21	Control System	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
22	Pneumatics	SMC	SMC	SMC	SMC
23	Color	White + Yellow	White + Yellow	White + Yellow	White + Yellow

Note: For more technical information please write to us marketing@febtech.co.in

AUTO SPRAYER



FEATURES

- Servo operating system
- Could stop at any Y axis position for spraying and blowing
- Multi function & multi programable spraying
- Six Module sprayer block
- High precision RV reduction gear.
- Machine equipped with safety interlocks
- Interface with any die casting machine
- Motorized die height adjustment

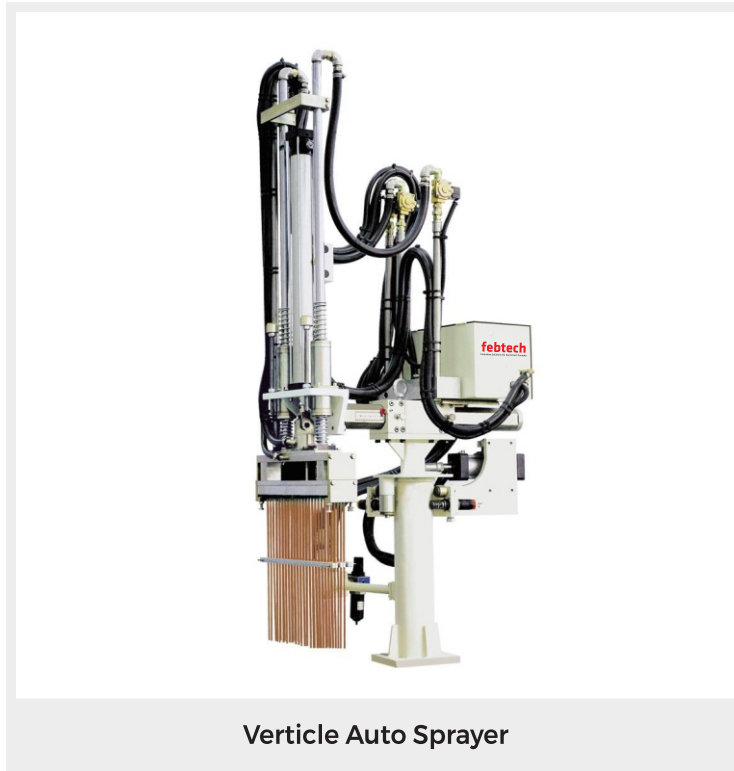
ADVANTAGES

- Low maintenance & low consumable cost
- Minimum cycle time and maximum productivity
- Control on dycote consumption
- User friendly operating

TECHNICAL SPECIFICATION

Sr.No	SPECIFICATIONS	FEBTECH-0290	FEBTECH-0300	FEBTECH-0310
1	Suitable Machine Capacity	160-400 T	500-800T	1000-1250T
2	Spray Nozzle for Fixed Side	10	19	19
3	Spray Nozzle for Moving Side	10	19	19
4	Air Blowing Nozzle Fix Side	8	10	10
5	Air Blowing Nozzle Moving Side	8	10	10
6	Sprayer heads covered width	380mm	530mm	730mm
7	Sprayer head thickness	150mm	220mm	240mm
8	Air Pressure	5-6kgf/cm ²	5-6kgf/cm ²	5-6kgf/cm ²
9	Air Pressure Inlet	3/4" BSP	1" BSP	1" BSP
10	Ascending Time	0.8s	1s	1.2s
11	Descending Time	0.8s	1s	1.2s
12	Ascending and Descending motor power	0.75 Kw	1.5 Kw	1.5 Kw
13	Base motor power	180W	180W	180W
14	Control Power	24 V DC	24 V DC	24 V DC
15	Input Power	415V, 3ph 50 Hz	415V, 3ph 50 Hz	415V, 3ph 50 Hz
16	Electrical Hardwares	Siemens	Siemens	Siemens
17	Control System	Mitsubishi & Delta	Mitsubishi & Delta	Mitsubishi & Delta
18	Pneumatics	SMC	SMC	SMC
19	Color	White + Yellow	White + Yellow	White + Yellow
20	Machine Size : (LXHxW)	75 X115X152.5	160X200X80	115 X 170X100
21	Packing Size : (LXHxW)	85 X 125X162.5	170 X210X90	125x180x109
22	Net & Gross Weight	368 / 408	501 / 691	501 / 691

VERTICLE AUTO SPRAYER



FEATURES

- Robust design pneumatic verticle operating
- Adjustable spraying & air blowing time for fix & movable platen
- Multi function air blowing
- Equipped with Mitsubishi PLC control
- Machine equipped with safety interlocks
- Interface with any die casting machine

ADVANTAGES

- Low maintenance & low consumable cost
- Minimum cycle time and maximum productivity
- Control on dycote consumption
- User friendly operating

TECHNICAL SPECIFICATION

Sr.No	SPECIFICATIONS	FEBTECH-0290P	FEBTECH-0300P
1	Machine Capacity	250-400 T	500-800T
2	Fix Side Copper Tube	21 Pcs	24 Pcs
3	Middle Side Copper Tube	20 Pcs	23 Pcs
4	Moving Side Copper Tube	21 Pcs	24 Pcs
5	Input Air Pressure	5-6kgf/cm2	5-6kgf/cm2
6	Input Release Agent Pressure	5-6kgf/cm2	5-6kgf/cm2
7	Input Release Agent Port	1"BSP	1 1/4"BSP
8	Ascending Time	1.8 Sec	2 Sec
9	Descending Time	1.5 Sec	1.6 Sec
10	Spray Head Width	350 mm	480 mm
11	Control Power	24 V DC	24 V DC
12	Input Power	415V, 3ph 50 Hz	415V, 3ph 50 Hz
13	Electrical Hardwares	Siemens	Siemens
14	Control System	Mitsubishi & Delta	Mitsubishi & Delta
15	Pneumatics	SMC	SMC
16	Color	White	White

Note: For more technical information please write to us marketing@febtech.co.in

DYCOTE AUTO MIXING UNIT



Dycote Auto Mixing Unit

FEATURES

- Adjustable die coat mixing ratio
- Additional safety sensors were provided to avoid water overflow
- Touch screen enabled with user settable parameter
- Pressure sensors for dycote pressure monitoring
- Self diagnosing system
- Fully auto operation

ADVANTAGES

- Control On dycote consumption
- One system is capable single & multiple HPDC machines
- Savings on labour costs
- Power saving

TECHNICAL SPECIFICATION

Sr.N.	SPECIFICATIONS	FEBTECH-0010
1	Dycote Supply Range	1-4 PDC Machine
2	Operating Pressure	4-6 kgf / cm ²
3	Flow Rate	500 LPH
4	Maximum Ambient Temperature	60°C
5	Inlet Water Port and Pressure	2-3 kgf / cm ²
6	Mixing Tank Capacity	50 Liter
7	Outlet Connection	1/2" BSP
8	Inlet Air Connection & Pressure	8-10 mm 4-5 Kg/cm ²
9	Supply Pumps	1.1 Kw/1.5HP 415V

Sr.N.	SPECIFICATIONS	FEBTECH-0010
10	Control Power	24 V DC
11	Input Power	415V, 3ph 50 Hz
12	Electrical Hardwares	Siemens
13	Control System	Mitsubishi
14	Pneumatics	SMC
15	Color	Gray + White + Orange
16	Machine Size : (LXHXW) cm	100 x 125 x 37.5
17	Packing Size : (LXHXW) cm	145 x 166 x 70
18	Net & Gross Weight Kgs	226 / 334

Note: For more technical information please write to us marketing@febtech.co.in

CENTRALISED DYCOTE MIXING UNIT



FEATURES

- Adjustable die coat mixing ratio
- Touch screen enabled with user settable parameter
- Pressure sensors for dycote pressure monitoring
- Self diagnosing system
- Cycle counter for shows water & dycote consumption
- Fully auto working system

ADVANTAGES

- Control On dycote consumption
- One system is capable multiple HPDC machines
- Savings on labour costs
- Power saving

TECHNICAL SPECIFICATION

Sr.N.	SPECIFICATIONS	FEBTECH-0020	FEBTECH-0030
1	Dycote Supply Range	8-10 HPDC Machine	10-15 HPDC Machine
2	Operating Pressure	4-6 KGF/CM ²	4-6 KGF/CM ²
3	Flow Rate	1200 LPH	1800 LPH
4	Maximum Ambient Temperature	60°C	60°C
5	Inlet Water Ports and Pressures	1" bsp / 2-3 kgf/cm ²	1" bsp / 2-3 kgf/cm ²
6	Mixing Tank Capacity	100 LTR	200 LTR
7	Outlet Connection	1, 1/2" BSP	1, 1/2" BSP
8	Supply Pumps	1.5 Kw/2 HP 415V	2.2 Kw/3HP 415V
9	Control Power	24 V DC	24 V DC
10	Input Power	415 V 3PH 50HZ	415 V 3PH 50HZ
11	Electrical Hardwares	Siemens	Siemens
12	Control System	Mitsubishi	Mitsubishi
13	Pneumatics	SMC	SMC
14	Color	Gray + White	Gray + White
15	Machine Size: (LXHXW) cm	200x130x90	250x220x130
19	Packing Size : (LXHXW)	210x140x100	260x220x140
17	Net & Gross Weight	200 / 250	250 / 310

Note: For more technical information please write to us marketing@febtech.co.in

AUTO EXTRACTOR



Auto Extractor

FEATURES

- Four strong clamping system
- Multi linkage arm has strong loading capacity; working fast and stable without impact.
- High precision speed reducer motor improve working efficiency.
- The machine height is adjustable
- Lubrication unit for sliding parts
- Machine equipped with safety interlocks
- High speed & accuracy
- Interface with any kind of die casting machine

ADVANTAGES

- Increase productivity
- Low maintainanace cost
- Reduce cycle time

TECHNICAL SPECIFICATION

Sr.No	SPECIFICATIONS	FEBTECH-0320	FEBTECH-0330	FEBTECH-330A
1	Suitable Machine Capacity	160-400 T	500-900T	1000- 1250T
2	Buscuit Dimeter	Ø 40-90 mm	Ø 60-120 mm	Ø 80-140 mm
3	Pulling Force	68kgf	98kgf	128kgf
4	Adjustable Distance of pulling direction	300mm	400mm	450mm
5	Arm Force	680kgf	1000kgf	1000kgf
6	Arm motor power	0.75KW	2.2KW	3.75KW
7	Air Pressure	4-6.5kgf / cm ²	4-6.5kgf / cm ²	4-6.5kgf / cm ²
8	Air Inlet	3/8" BSP	3/8" BSP	3/8" BSP
9	Casting Weight	Max 4 Kg	Max 8 Kg	Max 15 Kg
10	Mounting Method	Ground Mounting	Ground Mounting	Ground Mounting
11	Height adjustment range	150 mm	200 mm	250 mm
12	Control Power	24 V DC	24 V DC	24 V DC
13	Input Power	415V 3Ph, 50Hz	415V 3Ph, 50Hz	415V 3Ph, 50Hz
14	Electrical Hardwares	Siemens	Siemens	Siemens
15	Control System	Mitsubishi & Delta	Mitsubishi & Delta	Mitsubishi & Delta
16	Pneumatics	SMC	SMC	SMC
	Color	Gray + Yellow + White	Gray + Yellow + White	Gray + Yellow + White

Note: For more technical information please write to us marketing@febtech.co.in

MOULD CHANNEL DESCALLING UNIT



Mould Channel Descaling Unit

FEATURES

- Descalling cum leakage testing
- Additional safety sensors were provided to avoid water overflow
- Touch screen enabled with user settable parameter
- Self diagnosing system
- Fully auto operation

ADVANTAGES

- Reduce cooling time
- Increase production efficiency
- Savings on labour costs

TECHNICAL SPECIFICATION

Sr.No	SPECIFICATIONS	FEBTECH-0170
1	Cleaning Media	Water With Descaling Compound DC 78
2	Operating Pressure	4-6 kgf /cm ²
3	Flow Rate	500 LPH
4	Maximum Ambient Temperature	60°C
5	Tank Capacity	50 Liter
6	Outlet Connection	1/2" BSP
7	Inlet Air Connection & Pressure	8-10 mm 4-5 Kg/cm ²
8	Pumps Capacity	1.1 Kw/1.5HP 415V
9	Control Power	24 V DC
10	Input Power	415V, 3ph 50 Hz
11	Electrical Hardwares	Siemens
12	Control System	Mitsubishi
13	Pneumatics	SMC
14	Color	Gray + White + Orange
15	Machine Size : (LXHXW) cm	100 x 125 x 37.5
19	Packing Size : (LXHXW) cm	145 x 166 x 70
17	Net & Gross Weight Kgs	226 / 334

Note: For more technical information please write to us marketing@febtech.co.in

COOLING CONVEYOR



FEATURES

- Auto rejection interfacing with the die casting machine signal
- Height Adjustable
- The use of frequency conversion control ensures the more stable traveling
- Speed can be adjusted by VFD controller.
- Stainless steel belt with custom size and specification
- The timer has controls that can be operated intermittently or continuously
- Cooling fan may be installed depending on product size and customer requirements to accelerate product cooling
- Visual inspection lamp

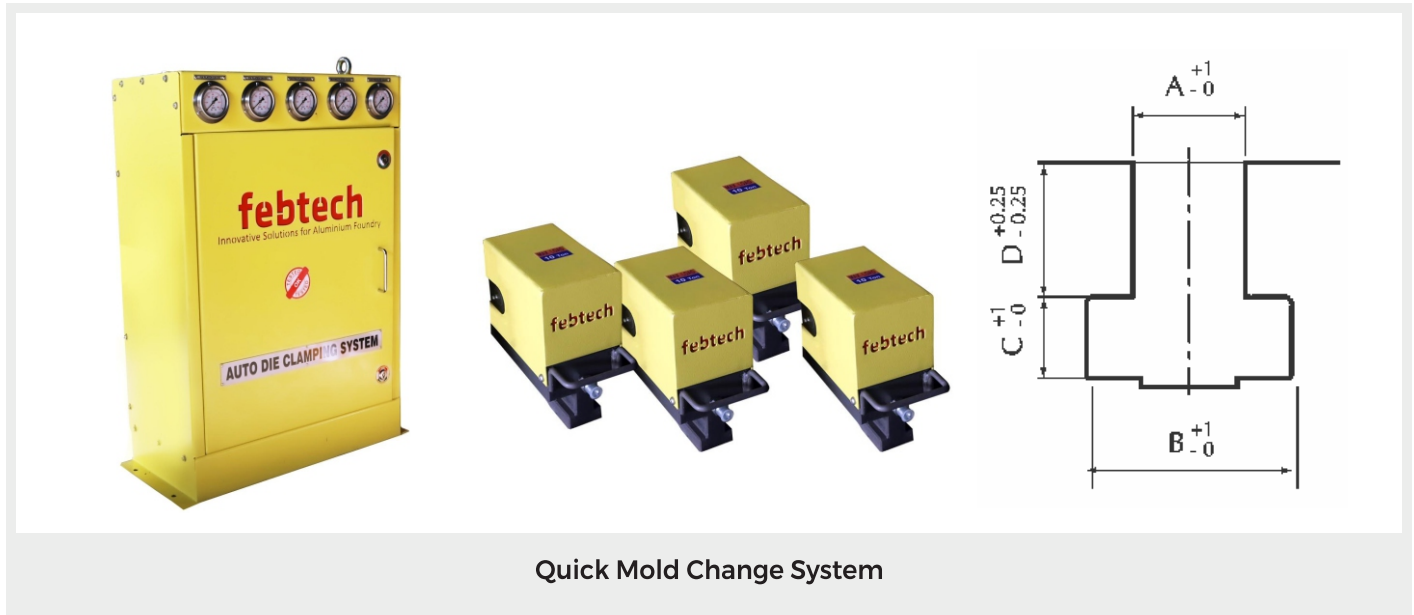
ADVANTAGES

- Instant cooling
- Easy to defected casting identification
- Long service life

TECHNICAL SPECIFICATION

Sr.No	Specification	FEBTECH-0350	FEBTECH-0360
1	Inner Width	500 mm	500 mm
2	Conveyor Length	2500 mm	3000 mm
3	Speed	6 meter / minute	6 meter / minute
4	Motor Power	415V, 0.2 Kw	415V, 0.2 Kw
5	No of Fan	2	2
6	Air Volume	2280m ³ /h	2280m ³ /h
7	Control Power	24 V DC	24 V DC
8	Input Power	415V, 3ph 50 Hz	415V, 3ph 50 Hz
9	Color	Blue	Blue
10	Machine Size : (LXHXW) cm	2000 x 1250 x 650	3000 x 1250 x 650
11	Packing Size : (LXHXW) cm	200kgs	250kgs
12	Net & Gross Weight Kgs	400 / 500	416 / 516

QMCS (Auto Die Clamping Unit)



FEATURES

- Quick clamping & unclamping of mold
- Intergration with die casting machine
- User frindly operating
- Safety interlocks
- Protection of die

ADVANTAGES

- Reduce die changing time
- Divert production in small batches
- Zero stock inventory of clamping elements
- Increase productivity
- Increase die casting machine platen life

TECHNICAL SPECIFICATION

Sr.No	MODELS	Specification				Standard Dimensions			
		Machine Tonnage	Clamp Qty Mov & Fix	Clamp Model	Clamping Pressure	A	B	C	D
1	Febtech-0180	100T-150T	8	TY-2	16Ton	22	37	16	24
2	Febtech-0190	250T-300T	8	TY-4	32Ton	28	48	20	28
3	Febtech-0200	350T-450T	8	TY-6	48Ton				
4	Febtech-0210	550T-750T	8	TY-10	80Ton				
5	Febtech-0220	850T-900T	8	TY-16	128Ton	28	48	23	
6	Febtech-0230	1000T-1250T	12	TY-16	192Ton				
7	Febtech-0240	1300T-1500T	8	TY-25	200Ton	36	56	25	
8	Febtech-0250	1600T-2000T	12	TY-25	300Ton				

Note: For more technical information please write to us marketing@febtech.co.in

JET COOLING UNIT



FEATURES

- Decrease the mold maintenance and machine downtime.
- Four independent outlets with control valves are available to set different cycle times on each manifold.
- Touch screen enabled with user settable parameter
- User-friendly installation and operations
- Integrate with any die casting machine
- Water temperature monitoring
- Two stage cooling system

ADVANTAGES

- Decrease cycle time
- Porosity and shrinkage reduction
- Improves the surface and dimensional quality of the manufactured parts.
- It can reduce the use of release agents.
- It increases the life of the mold component. (For instance the core pins)

TECHNICAL SPECIFICATION

Sr.No	TECHNICAL SPECIFICATION	FEBTECH-0470	FEBTECH-0480	FEBTECH-0490
1	Cooling Ports	20	40	60
2	Outlet Pressure	0 to 10 kgf/cm ²	0 to 16 kgf/cm ²	0 to 16 kgf/cm ²
3	Outlet Port	1/2" BSP Internal	1/2" BSP Internal	1/2" BSP Internal
4	Flow Rate	30 LPM	60 LPM	80 LPM
5	Cooling System	Open Loop	Open / Close Loop	Open / Close Loop
6	Inlet Water Pressure and Port Size	1/2" bsp / 2-3 kgf/cm ²	3/4" bsp / 2-3 kgf/cm ²	3/4" bsp / 2-3 kgf/cm ²
7	Storage Tank Structure & Capacity	Stainless Steel / 180 Ltr	Stainless Steel / 200 Ltr	Stainless Steel / 250 Ltr
8	Outlet Cooling Ports & Size	1/2 inch X 2 Nos	1/2 inch X 4 Nos	1/2 inch X 4 Nos
9	Inlet Air Pressure and Port Size	1/2" mm 4-5 Kg/cm ²	1/2" mm 4-5 Kg/cm ²	1/2" mm 4-5 Kg/cm ²
10	Pump Capacity	3.75 Kw/3HP 415V	5.5 Kw/3HP 415V	5.5 Kw/3HP 415V
11	Control Power	24 V DC	24 V DC	24 V DC
12	Input Power	415 V 3PH 50HZ	415 V 3PH 50HZ	415 V 3PH 50HZ
13	Electrical Hardwares	Siemens	Siemens	Siemens
14	Control System	Mitsubishi	Mitsubishi	Mitsubishi
15	Pneumatics	SMC	SMC	SMC
16	Color	Gray + White	Gray + White	Gray + White

Note: For more technical information please write to us marketing@febtech.co.in

MOULD TEMPRATURE CONTROLLER



Mold Temp. Controller

FEATURES

- Two circuit temperature Control unit & water chiller
- Cooling through the water radiator
- Self Optimizing Temperature Controller
- Thermal insulation
- Additional safety temperature sensor
- Heating switchable in stages- The unnecessary heating capacity will switch off automatically.
- Touch screen enabled with user settable parameter
- Oil low level alarm
- Vacuum mould drain
- Chennel leakage detection

ADVANTAGES

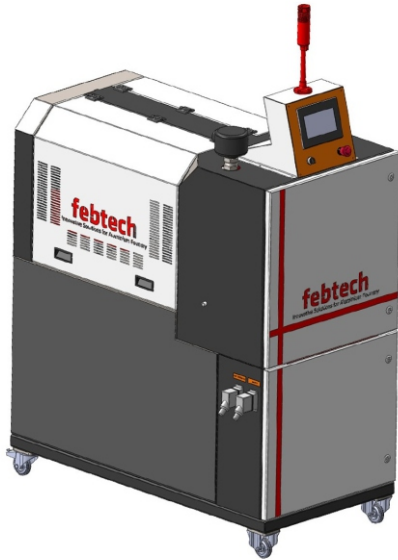
- Improve product quality
- Reduce rejection
- Reduce die breakdown
- Power saving

TECHNICAL SPECIFICATION

Sr.No	SPECIFICATIONS	FEBTECH-0540	FEBTECH-0550	FEBTECH-0560
1	Temperature Range	150°C	200°C	300°C
2	Control Accuracy	3 Digree C +/-	3 Digree C +/-	3 Digree C +/-
3	Media	Thermal Oil	Thermal Oil	Thermal Oil
4	Outlet Pressure & Port Size	-1 to 4kgf/cm2 1/2" Bsp	-1 to 4kgf/cm2 1/2" Bsp	-1 to 4kgf/cm2 1/2" Bsp
5	Flow Rate	60 LPM	80 LPM	100 LPM
6	Heating Channel (Zone)	Twin	Twin	Twin
7	Inlet Water Pressure and Port Size	1/2" bsp / 2-4 kgf/cm2	3/4" bsp / 2-4 kgf/cm2	3/4" bsp / 2-4 kgf/cm2
8	Oil Storage Tank Capacity	60 Ltr	60 Ltr	60 Ltr
9	Pump Capacity	1.5 Kw/2 HP 415V	1.5 Kw/2 HP 415V	1.5 Kw/2 HP 415V
10	Heating Capacity (One Line)	18Kw	24 Kw	36 Kw
11	Control Power	24 V DC	24 V DC	24 V DC
12	Input Power	415V, 3ph 50 Hz	415V, 3ph 50 Hz	415V, 3ph 50 Hz
13	Electrical Hardwares	Siemens	Siemens	Siemens
14	Control System	Mitsubishi & Delta	Mitsubishi & Delta	Mitsubishi & Delta
15	Pneumatics	SMC	SMC	SMC
16	Color	Gray + White	Gray + White	Gray + White
17	Machine Size : (LXHXW)	160 X 160 X 80	160 X 160 X 80	160 X 160 X 80
18	Packing Size : (LXHXW)	170 X 170 X 90	170 X 170 X 90	170 X 170 X 90
19	Net & Gross Weight	495 / 627	495 / 627	495 / 627

Note: For more technical information please write to us marketing@febtech.co.in

MOULD VACUUM UNIT



Mould Vacuum Unit

FEATURES

- Shot result monitoring
- Increase casting density
- Integrate with any die casting machine
- Two channel high precision vacuum
- Touch screen display
- Increase productivity
- Proven quality and reliability

ADVANTAGES

- Reduce Air/ Gas porosity in the casting
- User friendly operation
- Reduce casting rejection
- Increase productivity

TECHNICAL SPECIFICATION

Sr.No	SPECIFICATIONS	FEBTECH-0500	FEBTECH-0510	FEBTECH-0520
1	Capacity of pump	20 m3/hr (15cfm)	40 m3/hr (23 cfm)	"63 m3/hr (37 cfm) 100 m3/hr (59 cfm)"
2	Capacity of tank	250 Ltr	500 Ltr	800 Ltr
3	Oil Capacity	1 Ltr	2 Ltr	2.4 Ltr
4	Vacuum port	1" Inch	1 1/4 Inch	1 1/4 Inch
5	Filter	300 micron	300 micron	300 micron
6	Channel	Two	Two	Two
7	Control voltage	24VDC	24VDC	24VDC
8	Input Power	415V, 3ph 50 Hz	415V, 3ph 50 Hz	415V, 3ph 50 Hz
9	Electrical Hardwares	Siemens	Siemens	Siemens
10	Control System	Mitsubishi & Delta	Mitsubishi & Delta	Mitsubishi & Delta
11	Pneumatics	SMC	SMC	SMC
12	Color	Gray + White	Gray + White	Gray + White
13	Machine Size : (LXHXW)	270 X 290X130	350 X 340X160	380 X 340X170
14	Packing Size : (LXHXW)	280 X 300X140	360 X 350X170	390 X 350X180
15	Net & Gross Weight	300 / 350	400 / 460	470 / 500

Note: For more technical information please write to us marketing@febtech.co.in

HYDRAULIC TRIMMING PRESS



FEATURES

- Fast action stable performance
- Interface with robot
- Side safety guard
- PLC Controlled
- Oil temperature interface
- Workpiece temperature interface
- Safety light curtain

ADVANTAGES

- Reduce operation time
- User friendly operation
- Increase productivity

Specification of Models		Unit	MODELS				
			FEBTECH-0380	FEBTECH-0390	FEBTECH-0400	FEBTECH-0410	FEBTECH-0420
Hydraulic Force		Ton	10	20	30	40	50
Max.Working Pressure		Mpa	13	21	19	19	21
Main Cylinder Nominal Force		kN	100	200	300	400	500
Max.Stroke of Ram		mm	300	300	350	450	450
Max.Open Height		mm	400	450	500	600	700
Middle Blanking Pocket Size		mm	150*100	150*100	200*150	300*200	300*200
Speed of Ram	Down No Load	mm/s	260	230	200	210	205
	Pressing	mm/s	40	35	20	20	18
	Return	mm/s	260	225	200	200	200
Effective Area of Working Table	Left Right	mm	450	500	550	700	800
	Front Back	mm	450	500	550	600	650
Overall Dimension	Width	mm	900	900	980	1250	1340
	Length	mm	850	850	900	1100	1150
	Height	mm	2105	2155	2270	2550	2750
Hydraulic Motor Capacity		kW	3.75	3.75	3.75	5.5	5.5
Total Weight(Approx)		kg	900	1020	1120	1650	2400
Oil Quantity(Approx)		L	150	150	170	200	250

Note: For more technical information please write to us marketing@febtech.co.in

NITROGEN DEGASSING MACHINE



Nitrogen Degassing Machine

FEATURES

- Fully auto & advance technology for best melt quality
- Equipped with auto cover flux feeder with varialable feeding value
- Operation cycle data print and recording
- Touch screen display
- Digital flow & pressure meter
- 4 Speed spindle RPM
- Built in vacuum unit (Reduced pressure test)
- Maintanance guide on HMI

ADVANTAGES

- Reduce hydrogen level in molten metal
- Achieve metal density
- Eliminate human error due to automated process.

TECHNICAL SPECIFICATION

Sr.No	Specifiacation of Model's	FEBTECH-0040	FEBTECH-0050	FEBTECH-0050A
1	Spindle RPM	0-1000	0-1000	0-1000
2	Cover flux auto injector	✓	✓	✓
3	Baffle plate up-down movement	✓	✓	✓
4	Degassing cycle data print facility	X	X	✓
5	Batch sampling bar code printer & scanner	X	X	✓
6	Humidity sensor	X	X	✓
7	Density index analyzer	X	X	✓
8	Arm 180 degree rotation	Manual	Motorize	Motorize
9	Electrical hardware	Siemens	Siemens	Siemens
10	PLC controller	Mitsubishi	Mitsubishi	Mitsubishi
11	Input Power	415V 3Ph, 50Hz	415V 3Ph, 50Hz	415V 3Ph, 50Hz
12	Digital N2 flow & pressure sensor	SMC	SMC	SMC
13	Color	Gray + White	Gray + White	Gray + White+Yellow
14	Machine Size : (LXHXW)	270 X 290X130	280 X 300X140	290 X 300X140
15	Packing Size : (LXHXW)	280 X 300 X140	290 X 320 X150	300 X 320 X150
16	Net & Gross Weight	900 /1000	920 /1020	930 /1030

SAFETY INTERLOCKS

Sr.No	Interlock	FEBTECH-0040	FEBTECH-0050	FEBTECH-0050A
1	Up-down safety limit switch	✓	✓	✓
2	Gas pressure low/high	✓	✓	✓
3	Degassing rotor will chockup	✓	✓	✓
4	Cover flux low level	✓	✓	✓
5	All motor over current interlock & feedback	✓	✓	✓

Note: For more technical information please write to us marketing@febtech.co.in

HOISTABLE DEGASSING UNIT



FEATURES

- 3 Speed spindle RPM
- Mobile trolley for easy handling
- Safety interlock for N2 gas pressure & flow
- Touch screen display
- Digital flow & pressure meter

ADVANTAGES

- Reduce hydrogen level in molten metal
- Achieve metal density
- Low maintenance
- Maintenance free unit

TECHNICAL SPECIFICATION

Sr.No	Specifiacation	FEBTECH-0060	FEBTECH-0070
1	Spindle Speed	3 Speed	3 Speed
2	Spindle Speed Controller	Mitsubishi	Mitsubishi
3	Cover flux auto injector	X	✓
4	Mobile trolly	✓	✓
5	Rotor Shaft Model	100-635	100-635
6	Electrical hardware	Siemens	Siemens
7	Digital nitrogen gas Lpm meter	SMC	SMC
8	Digital gas pressure gauge	SMC	SMC
9	Baffle plate attachment	Fix	Fix
10	PLC controller	Mitsubishi	Mitsubishi
11	Input Power	415V 3Ph, 50Hz	415V 3Ph, 50Hz
12	Color	Gray + Yellow+White	Gray + Yellow+White
13	Machine Size : (LXHXW)	145.6x230 x 113.5	145.6x230 x 113.5
14	Packing Size : (LXHXW)	155 x 240 x 125	155 x 240 x 125
15	Net & Gross Weight (KG)		

SAFETY INTERLOCKS

Sr.No	Interlock	FEBTECH-0060	FEBTECH-0070
1	Gas pressure low/high	✓	✓
2	Degassing rotor will chockup	✓	✓
3	Cover flux low level	X	✓
4	All motor over current interlock & feedback	✓	✓

Note: For more technical information please write to us marketing@febtech.co.in

DENSITY INDEX ANALYZER



Density Index Analyzer

FEATURES

- Fastest density index calculation
- Interface with PC/ Laptop
- Density & index report printing
- Data storage
- Batch code, Alloy grade can print on report
- High precision measurement

ADVANTAGES

- Process time reduced
- Quick search old history
- Batch code, Alloy grade identity

The screenshot shows the 'Density Index Calculator' software window. It has three main sections: 'Atmospheric', 'Vacuum', and 'Sample'.
 - 'Atmospheric' section: 'Weight in Air' is 0003.9856, 'Weight in Liquid' is 0064.3175, and the calculated density is 2.62.
 - 'Vacuum' section: 'Weight in Air' is 0074.7160, 'Weight in Liquid' is 0046.7628, and the calculated density is 2.67.
 - 'Density Calculator' section: A single input field shows 1.91, with a 'Calculate Density Index' button.
 - 'Sample' section: Fields for 'Sample Name' (xyz), 'Sample Identification' (abc), and 'Sample Quality' (adc12).
 At the bottom are 'Save' and 'Cancel' buttons.

TECHNICAL SPECIFICATION

Sr.No	Specification	FEBTECH-0260
1	Response Time	3-5 second
2	Readability	0.0001g
3	Max Capacity	230g
4	Communication Port	RS-232/ USB
5	Maximum Ambient Temperature	10-45°C
6	Input Power	220V, 50Hz, 10Watt
7	Machine Size : (LXHXW) cm	250 x 300 x 350
8	Packing Size : (LXHXW) cm	103 x 59 x 56
9	Net & Gross Weight Kgs	13.7 / 35.7

VACUUM TESTER (Reduced Pressure Testing)



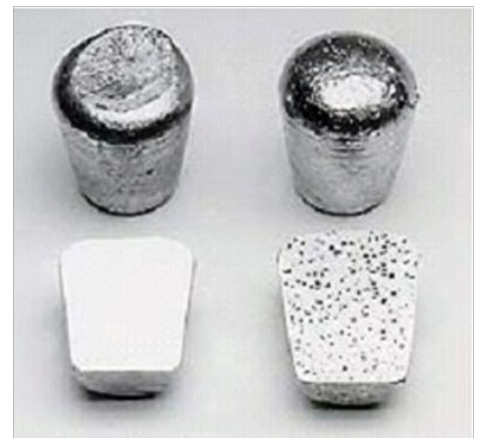
Vacuum Tester Unit

FEATURES

- PLC Controlled
- Easy operations
- Compact portable design
- High efficiency vacuum pump

ADVANTAGES

- Short process time
- One touch button operation
- Low maintenance
- User friendly operation



TECHNICAL SPECIFICATION

Sr.No	SPECIFICATIONS	FEBTECH-0270
1	Vacuum Range	0-700 mmHg
2	Cycle Time	0-2 min
3	Vacuum Display	Analog
4	Electrical Hardwares	Siemens
5	Control System	Delta
6	Input Voltage	220 V AC
7	Color	Gray
8	Machine Size : (LXHXW) cm	55 X75X36
9	Packing Size : (LXHXW) cm	65 x 85 x 46
10	Net & Gross Weight Kgs	38.5 / 57

Note: For more technical information please write to us marketing@febtech.co.in

METAL TRANSFER LADLE



Metal Transfer Ladle

FEATURES

- Minimize the temperature loss
- Rigid structure design and longer life
- Easy to operating & balacing
- High quality insulation
- Available in three types of design
- 3 stage non wetting castable lining

ADVANTAGES

- No need pre heating
- One year + insulation life
- Maximize temp loss



CRANE OPERATED



FORKLIFT OPERATED



FORKLIFT CUM CRANE OPERATED

TECHNICAL SPECIFICATION

Sr. No.	SPECIFICATIONS	FEBTECH-0430	FEBTECH-0440	FEBTECH-0450
1	Ladle Types	FT	CGT	FGT
2	Insulation type	Castable	Castable	Castable
3	Metal Capacity	250,300,400 & 500Kgs	250,300,400 & 500Kgs	250,300,400 & 500Kgs
4	Cell Thickness	8 mm	8 mm	8 mm

Note: For more technical information please write to us marketing@febtech.co.in

DISPENSER UNIT



Dispenser Unit

FEATURES

- The operation is simple, easy to feed
- Controlled by PLC
- The size of the feed rate can be easily controlled
- No matter the size of the particles can be used smoothly
- Alternatively single and multiple die casting cycles, reduce the number of particles and cost saving
- Quantitative slider with wear-resistant steel, feed accurate, durable, low failure rate.
- Accurate quantity control
- Automatic warning when storage is empty
- Feeding volume can be adjusted as desire

ADVANTAGES

- Increase plunger & sleeve life
- No oil marks on the casting
- Die casting machine won't be oily
- Does not cost waste oil pollution

TECHNICAL SPECIFICATION

Sr.No	SPECIFICATIONS	FEBTECH-0080
1	Dispensing Range	0.1 to 5 gm adjustable
2	Granular Storage	5 Kgs
3	Input Power	220 V AC
4	Pneumatics	SMC
5	Color	Yellow
6	Machine Size : (LXHXW) cm	60X100X60
7	Packing Size : (LXHXW) cm	70 X110 X70
8	Net & Gross Weight Kgs	80 /100

Note: For more technical information please write to us marketing@febtech.co.in

PLUNGER LUBRICATION UNIT



FEATURES

Piston Type

- Piston operating
- Integrate with any die casting machine
- Adjustable dispensing values

Spraying type

- Mist spraying
- Integrate with any die casting machine
- Adjustable spraying value

ADVANTAGES

Spraying type

- Lower emissions
- Selectable lubrication interval and time
- Effective lubrication

TECHNICAL SPECIFICATION

Sr.No	SPECIFICATIONS	FEBTECH-0280P	FEBTECH-0280S
1	Oil dispensing range	0-5ml/ 5cc	0-5ml/ 5cc
2	Input air pressure requirement	2-4 kgf/cm sq	2-4 kgf/cm sq
3	Input Power	24 VDC /110VAC/220VAC	24 VDC /110VAC/220VAC
4	Lubrication Type	Synthetic	Synthetic
5	Oil viscosity	Less than 2000CPS	Less than 2000CPS
6	Storage	-	5 litre
7	Pneumatics	SMC	SMC
8	Color	White	White
9	Machine Size : (LXHXW) cm	50 X 100 X 50	50 X 100 X 50
10	Packing Size : (LXHXW) cm	60 X110X60	60 X110X60
11	Net & Gross Weight Kgs	70 / 90	80 / 100

Note: For more technical information please write to us marketing@febtech.co.in

EJECTOR PIN CUTTING MACHINE



Ejector Pin Cutting Machine

TECHNICAL SPECIFICATION

Sr.No	Specification	FEBTECH-0570
1	Max cut length range mm/inch	600mm
2	Min & Max Diameter of pins	3-25
3	Min & Max Length of pins	60-600mm
4	Parting Wheel Size	180 x 31.8 x 1
5	Cup grinding wheel size	(Dia 25 x 300+ / -0.01)
6	Cup of precision mm	(25x90 Deg+ / -0.01)
7	Spindle Motor	0.75 KW (1HP)
8	Cutting spindle speed	10000 rpm
9	Face grinding spindle speed	4400 rpm
10	Coolant Pump	0.18KW (0.25HP)
11	Input Power	415V, 3ph 50 Hz
12	Color	Gray & White
13	Machine Size : (LXHXW) cm	80 X80X115
14	Packing Size : (LXHXW) cm	105 x 136 x 90
15	Net & Gross Weight Kgs	150 / 201

Note: For more technical information please write to us marketing@febtech.co.in

FEATURES

- Higher precision length cutting
- Unique design for ejector pin sizing up to 24 inch length
- Table top model with compact design
- Fully covered body ensuring operator safety
- Rigid & transparent protective shield to monitor operations
- Inbuilt setting devices to maintain accuracy in dimension
- Low maintenance and spare inventory

TECHNICAL DETAILS

- Compact machine to custom size ejector pins precisely in short time
- Lower skill level required for sizing operation
- Integrated cutting and grinding operation
- Consistent pin grinding quality with 10 microns accuracy
- Low mold downtime

UNIVERSAL PRECISION GRINDER (Core Pin Profile Grinder)



Universal Precision Grinder

FEATURES

- Universal Grinding
- Digital Readout
- High Precision Quality
- Work time saves
- Easy to work setting

ADVANTAGES

- Reduce mould breakdown time
- Instant tool profile grinding
- Semi skill operator work easy

TECHNICAL SPECIFICATION

Sr.No	Specification	FEBTECH-0340
1	Grinding Dimeter	Ø2- Ø25mm
2	Work piece dimeter	Ø3.0-Ø25mm
3	Work piece length	25-500
4	Grinding Wheel Size	100 x 25.4 x 20
5	Front-to-back travel	40mm
6	Left to Right Travel	50 mm
7	Work head speed	180 RPM
8	Work head rotating angle	±5°
9	Spindle speed	7500 rpm
10	Spindle motor	0.75kw, 3Ph, 415V 50Hz
11	Input Power	415V, 3ph 50 Hz
12	Color	White & Yellow
13	Machine Size : (LXHXW) cm	72 x 150 x 67
14	Packing Size : (LXHXW) cm	82 x 160 x 77
15	Net & Gross Weight Kgs	227 / 287

SHOT SLEEVE



Shot Sleeve

FEATURES

- Premium Quality Steel
- Precision machined with desired tolerance
- Advance heat treatment
- Duplex nitriding technology
- Thermal control jacket
- Extend tool life

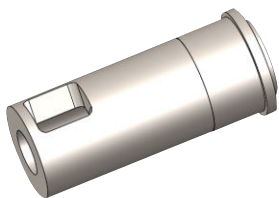
ADVANTAGES

- Maximum tool life
- Reduce the production cost

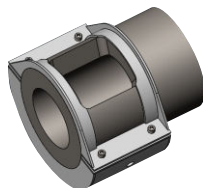
The shot sleeve is an important tool in the pressure die casting industry. And its cost impact on the manufacturing product if it will not perform well.

Many die casters have the problem of shot sleeve life but no one can study the shot sleeve design properly because to get better life of the shot sleeve the sleeve design plays an important role.

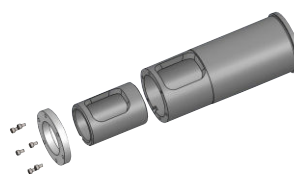
Febtech research on the product for not only quality but also on price. Various types of shot sleeves we developed like regular, inserted, integral etc. that work excellently and give long life.



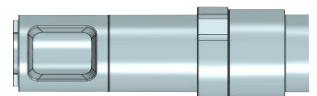
Regular Shot Sleeve



External cooling Jacket



Inserted Shot Sleeve



Integral Shot Sleeve

DYCOTE SPRAY GUNS



FEATURES

- Stainless steel & brass anti-corrosion parts
- Liquid flow control valve
- Light weight and easy handling weight
- Aluminium body with heat treatment
- Useful for Synthetic & Graphite base release agent

TECHNICAL DETAILS

- Working air pressure : 4 to 5 kg/cm²
- Liquid pressure : gravity feed from tank 1 kg / cm²
- Inlet connection : 1/4" BSP hose fitting

Models	Pipe Length	Application	Weight	Box Qty	Packing Size
FT350B	350mm	Die Casting	500gm	1	7 x 11 x 50 cm
FT450B	450mm	Die Casting	550gm	1	7 x 11 x 65 cm
FT600B	600mm	Die Casting	600gm	1	7 x 11 x 81 cm
FT800B	800mm	Die Casting	650gm	1	7 x 11 x 102 cm
FTI300	300mm	Die Casting	550gm	1	6.5 x 11 x 50 cm
FTI400	400mm	Die Casting	600gm	1	6.5 x 11 x 60 cm
FT350TB	350 mm	Forging	500gm	1	7 x 11 x 50 cm
FT450TB	450 mm	Forging	550gm	1	7 x 11 x 65 cm
FT600TB	600 mm	Forging	600gm	1	7 x 11 x 81 cm
FT800TB	800 mm	Forging	650gm	1	7 x 11 x 102 cm

Note: For more technical information please write to us marketing@febtech.co.in

THERMOCOUPLE & PROTECTION TUBE



Thermocouple

FEATURES

- High density silicon material
- Stainless steel probe element

ADVANTAGES

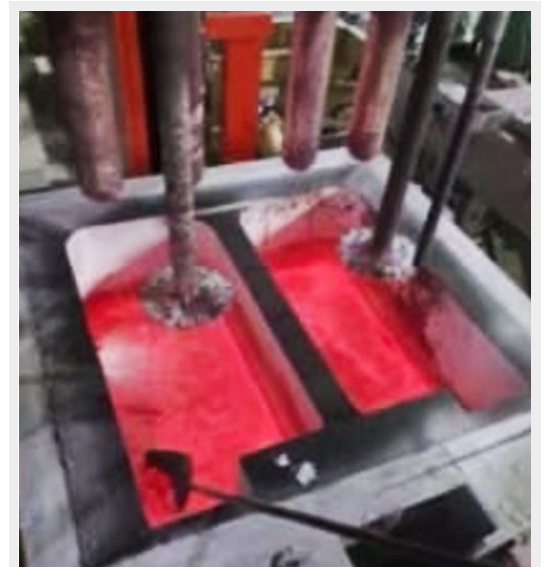
- Longer service life 10-12 months

The temperature control of molten aluminum is the core of aluminum processing industry, so the reliability of temperature measuring elements is particularly important. Silicon ceramics have been widely used as thermocouple protection tubes in various scenarios.

- Due to excellent high-temperature performance, the normal service life is more than one year;
- Compared with cast iron, graphite, carbon nitrogen and other material, silicon nitrate ceramic will not be eroded by aluminium water, thus ensuring the temperature accuracy and the sensitivity of the measured aluminium liquid;
- The Silicon ceramic's low wettability with molten aluminum, almost no need for daily maintenance.

PRECAUTIONS FOR USE

- Before installing the machine, check the tightness of the stainless steel connecting parts and the fastening of the coupling wire of the junction box.
- For safety, the product should be dried and preheated above 400° before use;
- In order to prolong the service life of the product, it is recommended to clean and maintain the surface regularly (once every 30-40 days)



SPRAY NOZZLES



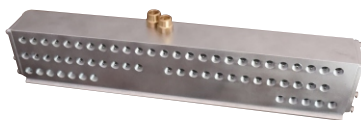
Spray Header



Custom Sprayer Nozzle



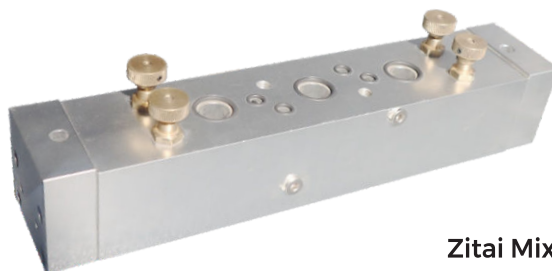
Sprayer Mixing Block



Spray Cassette



Hot Chamber Spray Nozzle ST-5



Zitai Mixing Block



Febtech Spray Nozzle



Wollin Spray Nozzle



Acheson Spray Nozzle



LK Spray Nozzle

PLUNGER TIPS



Plunger Tips

FEATURES

- High tensile & wear strength material
- Five times more life compare to regular plunger tip

ADVANTAGES

- Increase productivity
- Reduce production costs

Through the special graded cast iron & laser treatment technology we developed the plunger tip , causes the wear resistance of metal material improved several times, The ceramic plunger tip has 5 times more service life than the regular cast iron plunger tip.

Note: Proper lubrication is the must in order to getting satisfied life of the plunger tip.

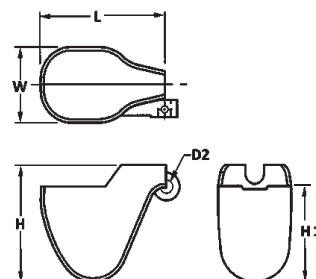
Dimeter X Length	Threading	Box Quantity	Box Weight	Packing Size(cm)
40 x 90	M27 x 2P	40	20	12 x 22 x 35
45 x 90	M27 x 2P	40	22	12 x 22 x 35
50 x 90	M30 x 2P	30	22	12 x 27 x 32
60 x 90	M30 x 2P	20	22	12 x 26 x 32
70 x 90	M30 x 2P	15	24	12 x 23 x 37
80 x 90	M42 x 2P	12	25	12 x 26 x 33
90 x 90	M42 x 2P	9	25	12 x 28 x 28
100 x 90	M42 x 2P	6	20	35 x 21 x 31
110 x 120	M56 x 3P	4	20	16 x 23 x 23
120 x 120	M56 x 3P	2	28	13 x 26 x 31

Note: For more technical information please write to us marketing@febtech.co.in

LADLE CUP



Ladle Cups



FEATURES

- High tensile & wear strength material
- Useful for all type of die casting machine

Sr. No.	Capacity	W	H	H1	L	D2	Weight	Wall Thick
1	0.3 KG	78	112	85	140	25	1.3	5+
2	0.5 KG	98	125	95	135	25	1.7	6+
3	0.8 KG	105	132	100	145	25	2	6+
4	1.0 KG	113	158	120	170	25	2.4	6+
5	1.5 KG	120	160	122	175	25	2.6	6+
6	2.0 KG	130	180	145	195	25	3.6	6+
7	2.5 KG	140	170	135	205	25	3.6	6+
8	3.0 KG	135	195	155	215	25	4.2	6+
9	3.5 KG	145	195	180	215	25	4.2	6+
10	4.0 KG	135	210	180	230	25	5	8+
11	4.5 KG	140	220	180	245	25	5.7	8+
12	5.0 KG	145	230	180	240	25	6	8+
13	6.0 KG	170	230	200	260	25	9	9+
14	7.0 KG	185	200	170	270	25	9.4	9+
15	8.0 KG	170	260	220	290	25	10	9+
16	10.0 KG	185	270	230	310	25	13.7	13+
17	12.0 KG	200	280	230	325	25	16.8	13+
18	15.0 KG	200	340	280	350	25/30/40	18.9	13+
19	20.0 KG	240	350	300	390	30/40	30	13+
20	25.0 KG	260	370	285	460	30/40	32	13+
21	30.0 KG	280	460	390	450	30/40	33	13+

Note: For more technical information please write to us marketing@febtech.co.in

PLUNGER LUB (Shot Beads)

Dry plunger lubricants for cold chamber aluminium and magnesium die casting are composed of high melting point waxes extreme pressure additives for excellent lubricating properties and environmental performance.

GX-30 (Black)

GX-30 (Black) is our entry level solid plunger lubricant with high graphite content for excellent lubricating properties.



Product	Types	Dimeter Sizes	Appearance	Shapes
GX-30 (Black)	Wax with 27-30% graphite content	1.0 - 1.5 mm 1.5 - 2.0 mm 2.0 - 3.0 mm	Black 	Round beads

GX-10 (Black)

GX- 10 (Black) is our Mid level solid plunger lubricant with high graphite content for excellent lubricating properties.

Product	Types	Dimeter Sizes	Appearance	Shapes
GX-10 (Black)	Wax with 10% graphite content	1.0 - 1.5 mm 1.5 - 2.0 mm 2.0 - 3.0 mm	Black 	Round beads

GX-00 (White)

The GX-00 (White) is a dry plunger lubricant with 0% graphite content. This product is ideal for smaller die casting machines, typically less than 800 tons, or tips and sleeves up to 6" in diameter. Solid Pure Pro leaves practically zero oil residue on casted parts, and is the best option available for sustaining a clean die casting environment.

Product	Types	Dimeter Sizes	Appearance	Shapes
GX-00 (White)	Wax with no graphite content	1.0 - 1.5 mm 1.5 - 2.0 mm 2.0 - 3.0 mm	White 	Round beads

MELTING FURNACE TAPOUT PLUG & DISC



DESCRIPTION

Febtech has developed reaction sintered ceramic products ideally suited for Non-Ferrous cast houses and foundries owing to its extraordinary properties of high thermal shock resistance, low thermal conductivity & non wettability to most Non ferrous molten metal.

These properties are achieved by combining high purity contents of ceramic in a recision controlled reaction sintered process to engineer a micro-porous micro-structure.

APPLICATIONS

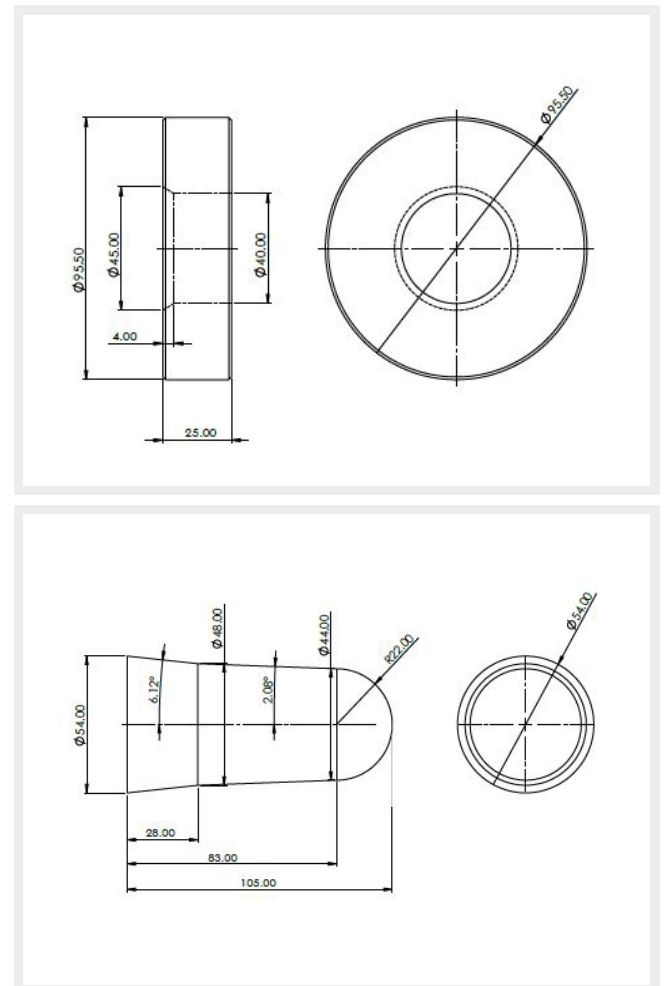
- Feeders / Risers / Stalk & Dosing tubes
- Tap hole plugs and rings

BENIFITS

- Longer service life, can be exposed to molten metal without pre-heating
- Energy-efficient process, increased process reliability, reduced freeze-offs and improved yield levels
- Prevents metal adhesion, simplifies cleaning and increased machine availability
- Increased service life, does not contaminate the melt hence enhances product quality plant efficiency

FEATURES

- Near Zero Thermal expansion
- Low Thermal Conductivity
- Non - Wettability
- Chemical Inertness



MOULD RELEASE AGENT FOR HPDC

Alucoat is water based products are specially designed to achieve smooth release of the castings. Besides being eco friendly offers highest degree of cleanness. Also they work efficiently at different temperatures suiting to customer's requirements.



SILENT FEATURES

- Excellent release properties
- Uniform film formation with minimum spray
- Fast cooling of the die face
- No chocking of pipelines & nozzles
- Delayed in cavity & x cavity build up
- Improves die life
- Ecofriendly

Product	Metal	Working Temperature	Dilution Ratio	Machine Tonnage
Premium G-X 77	Al/Zn	150 - 200	1 : 400	Less Than 1520T
Premium G-X 77	Al/Zn	200 - 350	1 : 250	Above 1250T

LADLE COATING



Alucoat LC 100 coating for high-temperature use and non-wetting for all liquid metal transfer system components. Also is non-reactive and non-stick agent.

IDEAL USE

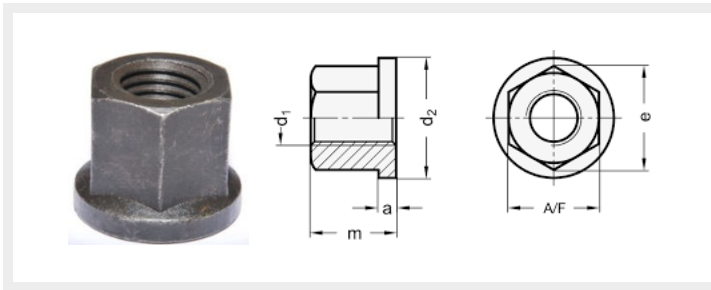
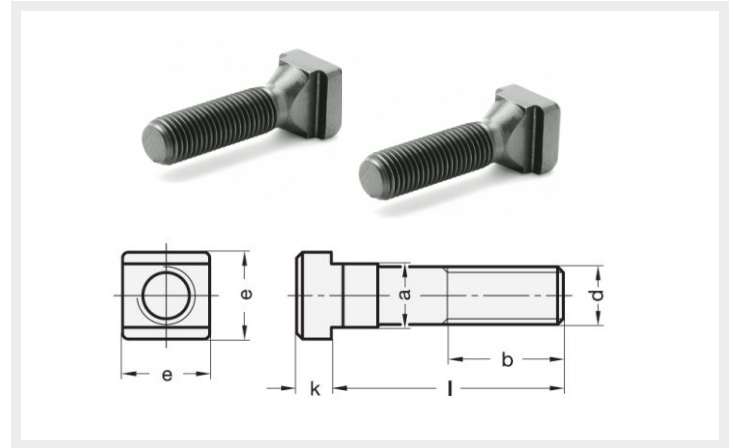
- Launderers & Runners
- Auto-Pour Ladles
- Troughs & Tubes
- Funnels & Spouts
- Filter Bowls, Boxes

KEY ATTRIBUTES

- Totally Non-Wetted by Molten Aluminium, Magnesium, Zinc & Their Drosses
- Protects Ceramic Metals & Graphite
- Maintenance is reduced and operator satisfaction maximized

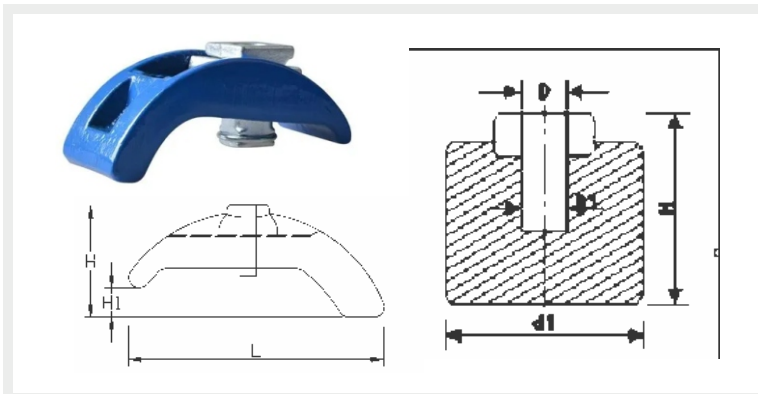
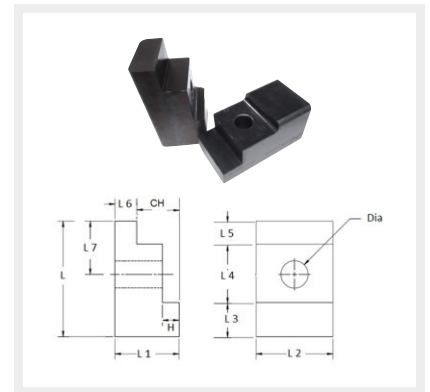
T- SLOT BOLT, CLAMP & COLLAR NUT (FLANGE NUT)

d	a	e	l	k
M16	16	25 x 25	100-160	9
	18	28 x 28		10
M20	20	32 x 32	100-200	12
	22	35 x 35		14
M24	23	40 x 40	100-250	16
	28	44 x 44		18
M30	36	54 x 54	200-250	22
M36	42	65 x 65	250	26



D1	D2	a	m	F/A
M16	33	3.5	23	24
M20	37	6	30	30
M24	48	8	38	35
M30	58	11	48	45

Sr	Part Name	L	L1	L2	L3	L4	L5	L6	L7	H	CH	Dia
1.	Die clamp 25	130	52	63	30	75	25	27	65	20	25	21/25
2.	Die clamp 30		57							25	30	
3.	Die clamp 35		62							30	35	
4.	Die clamp 40		64							32	40	
5.	Die clamp 45	140	72	63	40	75	25	27	70	40	45	25/31
6.	Die clamp 50		77							45	50	
7.	Die clamp 55		82							50	55	



Sr.No	Size	D	L	H1	H	D1
1.	M16	16.5	150	15-45	70	58
			170			60
2.	M20	20.5	190	20-55	100	70
			220			75
3.	M24	25	250	20-90	110	90
					125	105
4.	M30	31	250	20-90	125	105

EJECTOR PIN, STEP EJECTOR PIN, CORE PIN & SLEEVE



Ejector Pins



Core Pins



Step Ejector Pins



Ejector Sleeves

FEATURES

- Premium Quality Steel
- Vacuum heat treatment
- Precision machined with desired tolerance
- Duplex nitriding
- Surface Hardness: 65-70 HRC
- Core Hardness: 40 to 45 HRC

Note: For more technical information please write to us marketing@febtech.co.in

DEGASSING ROTOR SHAFT & BAFFLE PLATE



FEATURES

- High density material
- Twin treatment of oxidation

ADVANTAGES

- Long service life
- Zero impact on molten metal



Heat Treatment for Grain Bonding



Heat Resistant



Low Friction



Centricity



Wear Resistance

Technical Specification of Rotor

Specification of Model	Dimeter	Length	Threading
FT175	150mm	111 mm	M67 x 4P
CR175	175mm	90 mm	M67 x 4P
CR100	130mm	86 mm	M50 x 4P

Technical Specification of Shaft

Specification of Model	Dimeter	Length	Threading
FT90810 TT	90 mm	810 mm	M67 x 4P
FT80810 ET	80 mm	810 mm	M67 x 4P
FT90700 TT	90 mm	700 mm	M67 x 4P
FT635 ET	65 mm	635 mm	M50 x 4P

Technical Specification of Baffle Plate

Specification of Model	Dimeter	Length	Threading	CD
FT90810 TT	25 mm	120 mm	500 mm	80 mm
FT80810 ET	25 mm	120 mm	600 mm	80 mm

febtech

Innovative Solutions for Aluminium Foundry

Corporate Office & Manufacturing Unit

📍 L-34 & 35, Waluj, MIDC, Aurangabad, Maharashtra, India - 431136

✉ marketing@febtech.co.in 📞 +91 9373555515, +91 240 2555513

GLOBAL PRESENCE

- INDIA
- CHINA
- MEXICO
- TURKEY
- BRAZIL
- THAILAND
- USA
- EGYPT
- VIETNAM
- IRAN
- TUNISIA
- MALAYSIA
- CANADA
- SWEDEN
- RUSSIA
- SOUTH AFRICA

