



Ref : JP/LMS/24

Date : June 12, 2023

“QUOTATION”

SHAKTI POLYTARP LIMITED

46, IIDC, NIMRANI

DIST KHARGONE (M.P)

EXTRUSION COATING PLANT FOR MODEL JP 120 CRT 6000

JP 120 CRT 6000 is designed for coating of LDPE on HDPE fabrics, with coating width from 4600 mm to 5800 mm maximum and thickness of LDPE from 20 microns to 100 microns.

The plant consists of following equipments: -

- 1) 120 mm Extruder with Bimetallic Screw & Barrel
- 2) Hydraulic Screen Changer with Power Pack.
- 3) Carriage.
- 4) 6000 mm JP Die with Internal Deckle
- 5) Mechanical Unwinder with Edge Guiding System and Both side Pneumatic Caliper Brake System with Diameter Sensor.
(Overhead Crane to be arranged by customer for smooth handling of rolls/materials)
- 6) Laminator Unit.
- 7) Manual Edge Trimming.
- 8) Two Stage Edge Trim Winder
- 9) Four Roll Surface Winder.
- 10) Temperature Control Panel.
- 11) Drive Control Panel.

BASIC EX-WORKS ANKLESHWAR PRICE : Rs. 46471000.00

Additional Cost for:

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| 1. Hotplate | : Rs. 2536500.00 |
| 2. GMA make Die with Internal Deckle instead of JP Make | : Rs. 5942000.00 |
| 3. Melt Pump | : Rs. 2330000.00 |

Tax Indication:

GST/Taxes : Applicable as per Rule

The above quoted prices are on delivery ex-works Ankleshwar basis and Exclusive of government taxes/levies, duties as may be applicable will be charged extra at the time of delivery.

- **ADVANCE TO BE PAID**
40% along with Purchase Order.
(In no circumstances seller will refund the advance payment once the order is finalized.)
- **BALANCE PAYMENT**
Balance payment as per our Proforma Invoice before Dispatch.
- **INSURANCE**
To be covered by Buyer.
- **PACKING**
We will provide loose packing of Air Bubble Film & Stretch Wrap Film.
No wooden box packing will be provided.



- **DELIVERY PERIOD**
10 to 12 Months from date of receipt of 40% Advance Payment and Purchase Order.
- **FREIGHT**
Extra from our works to final destination and payable by the Buyer.
- **PRE-DISPATCH TRIAL**
Pre-dispatch satisfactory Trial of the machine/equipment will be conducted at our factory in the presence of Buyer's representatives and necessary raw material required for pre-dispatch trial will have to be supplied by Buyer at our factory at Buyer's own cost.
- **ERECTION & COMMISSIONING**
For Erection of the machine/equipments, Buyer have to pay Rs. 3500.00 per day per engineer (Service Tax Extra) & Local Conveyance at actual from Hotel to your works and back to hotel up to completion the Erection. Buyer will also provide all other necessary tools, raw materials, utilities such as compressed air etc. and others as may be required for completion of the Erection.
- **WARRANTY**
The machine/equipment offered is warranted for a period of 12 (twelve) months from the date of dispatch. This warranty is for manufacturing defects only and is not applicable in the case of excessive service condition, natural wear and tear, damages due to negligence in handling, improper use or operation, inadequate or improper maintenance etc. You shall not permit semiskilled or unskilled and or unqualified person to effect any operation of the machine/equipment or any replacement of the parts, maintenance, lubrication, adjustment or repairs of the machine/equipment. This warranty does not apply to Electric/ Electronic items, Bearings and Heaters. We will not replace the complete assembly / equipment where only a part of assembly/equipment is found to be defective. The defective part/parts shall be returned to our works. The responsibility or liability of the firm shall be limited only to replacement or repairing of the defective part/parts free of charge at our option within the warranty period. No monetary claims or compensation of any kind like loss of profits and wages, production and raw material loss, rejections, etc. due to defective part/parts or equipment will be entertained by the Seller. In case of all ready purchased items, the warranty as provided by the seller's suppliers will be directly passed on to the buyers.

Note: Under no circumstance shall seller be liable for lost product, production time and/or waste/rejection of raw material.

Since our product undergoes continuous evolution, we reserve rights to modify performance figures, data - specifications etc. quoted, without prior intimation.

For J P EXTRUSIONTECH PRIVATE LIMITED

(Detailed specifications along with terms and conditions are attached)



DETAILED SPECIFICATIONS : MODEL JP 120 CRT 6000

120 MM EXTRUDER:-

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| Material (Screw & Barrel) | : Bimetallic |
| Screw diameter | : 120 MM. |
| L/D Ratio | : 30 : 1 |
| Output | : 550 to 600 Kg/hr. Maximum for LDPE & 500 to 550 kg/hr. maximum for PP depending upon coating thickness, substrate width, type of raw material and processing conditions. |
| Barrel Cooling System | : Jacketed water cooling system on feed zone. All barrel zones cooling by 0.18 KW blower on each zone. |
| Heating Zones | : 7 Nos. |
| Heating Load | : 64 KW. |
| Main Drive | : 160 KW AC Motor. |
| Reduction Gearbox | : Helical type with inbuilt thrust bearing housing designed to withstand thrust developed during extrusion. |

(Total Installed Power = 225.26 KW)

HYDRAULIC SCREEN CHANGER WITH POWER PACK

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| Operation | : Hydraulically operated |
| Power Pack | : 3.7 KW Hydraulic Power Pack. |
| Heating Zone | : 2 Nos. |
| Heating Load | : 9 KW |

(Total Installed Power = 12.7 KW)

CARRIAGE FOR UP/DOWN:

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| Type | : Fabricated from MS channels and angles. |
| Up/down | : By 2.2 KW AC motor with suitable reduction gearbox. |

(Total Installed Power = 2.2 KW)

6000 MM DIE WITH INTERNAL DECKLE

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| Material | : Alloy Steel. |
| Die Width | : 6000 mm. |
| Heaters | : Cartridge Heaters. |
| Heating Zones | : 19 Nos. |
| Heating capacity | : 100 KW |
| Deckles | : Internal & Manually adjusting Deckles. |

(Total Installed Power = 100 KW)

MECHANICAL UNWINDER WITH EDGE GUIDING SYSTEM AND BOTH SIDE PNEUMATIC CALIPER BRAKE SYSTEM WITH DIAMETER SENSOR :

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| Structure | : Sturdy structure fabricated from MS Plates & MS Sections. |
| Mechanical Shaft | : 6" ID Core |
| Web Width x Diameter | : 5800 mm (W) X 1000 mm. Dia |
| Tension Control | : Pneumatic Caliper Brake System with Diameter Sensor. |



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- Manual Splicing : 1 No Steel Roll and 1 No Rubber Roll are provided for splicing.
- Edge Guiding System : By 0.75 KW Hydropneumatic Powerpack with pneumatic sensor provided.
- Overhead Crane : To be arranged by customer for smooth handling of rolls/materials**
- (Total Installed Power = 0.75 KW)**

LAMINATOR UNIT:-

- Type : Extrusion Laminator Type.
- Chill Roll : 750 mm (dia) x 6000 mm (L) fine finish hard chrome plated roll. This roll is fabricated from steel pipe with internal construction of double shell, spiral type for water circulation.
- Water Cooling Rotary Joint : 3" BSP
- Pressure Roller : Hypolene rubber coating.
- Rotary Union for Rubber Roll : 2" BSP
- Size : 300 mm. Dia x 5990 mm long.
- Rubber Coating Thickness : 15 mm.
- Backup cooling roll : Double shell spiral type cooling arrangement having 320 mm \varnothing x 6000 mm (L).
- Rotary Union for Backup Roll : 2" BSP
- Pressure system by air cylinder : 250 mm Dia X 150 mm stroke.
- Bow Roll : 1 No. Bow Roll mounted on Laminator.
- Nip Rollers : 220 mm. Dia X 6000 mm (L) hard chrome plated steel roll and 195 mm Dia X 5990 mm long rubber roll with pneumatic system. Driven by 5.5 KW AC Motor with suitable reduction gearbox & AC variable drive control system.
- Chill Roll Drive : 22.5 KW AC Motor with suitable Reduction Gearbox.
- Operating Speed : 20 to 70 MPM Maximum.
- Rev/forward system : Reverse/Forward movement by 1.1 KW x 2 Nos. Motor with suitable reduction gear box.

(Total Installed Power = 29.1 KW)

MANUAL EDGE TRIMMING :-

- Hardchrome Plated Grooved Roll : 215 mm. Dia X 6000 mm. (L)
- Fixed Cutter : 2 Nos.
- Trimming Blower : 5.5 KW Blower with ducting arrangement

(Total Installed Power = 5.5 KW)

- TWO STAGE EDGE TRIM WINDER** : 2 Nos. Air Shaft with 2 Nos. 2.2 KW AC motor for winding of the trimmed fabric.

(Total Installed Power = 4.4 KW)



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| <u>SURFACE WINDER :</u> | : 4.Nos. 318 mm (dia) X 6000 mm (L) MS rolls with 2 Nos. 15 KW AC motor along with suitable reduction gearbox. 2 Nos. of Hydraulic Cylinders for roll transferring from 1st winding station to 2nd winding station and 2 nos. of pneumatic cylinders for new winding shaft resting. Cutting arrangement is provided for cutting of the fabric. |
| Winding Core | : 6" ID |
| Bow Roll | : 1 No. is provided. |
| Power Pack | : 3.7 KW Hydraulic Power Pack. |

(Total Installed Power = 25.7 KW)

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| <u>TEMPERATURE CONTROL PANEL</u> | Microprocessor based individual digital PID Temperature controllers along with necessary SSRs, PLC for current read and switches for required no of zones are provided. |
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| <u>DRIVE CONTROL PANEL</u> | : AC variable drive control system for Extruder, Laminator & Winder. |
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| Wiring | : Wiring between our supplied panels and machine according to our standard foundation layout is included in the standard scope of supply. |
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ADDITIONAL COST FOR

- **TWO STATION SANDWITCH MECHANICAL UNWINDER**
 - : Two Station Mechanical Sandwich Unwinder mounted on Laminator
 - Mechanical Shaft : 6"ID Core.
 - Web Width x Diameter : 5800 mm (W) X 800 mm.
 - Overhead Crane : To be arranged by customer for smooth handling of rolls/materials**
- **HOTPLATE**
 - : Fabricated from sturdy MS structure.
 - Size : 6000 MM (W) X 1000 MM (L)
 - Heating Zone : 5 Nos.
 - Heating Zone : 60 KW

(Total Installed Power = 60 KW)

OPERATIONAL REQUIREMENTS (TO BE PROVIDED BY BUYERS)

1. Power Supply : 415 Volts \pm 5%, 3 Phase, 50 C/S \pm 3%
2. Air Compressor : 5.5 KW
3. Chilling Plant : 60 TR
5. Crane : For Smooth handling operation of rolls/materials, overhead crane is necessary

Machine Connected Load : 410 KW (Approx.)

For J P EXTRUSIONTECH PRIVATE LIMITED



TERMS AND CONDITIONS

NOTE

All machine components and accessories not expressly mentioned above are not included in our scope of supply.

PRICE VALIDITY

This Quotation is valid for 30 days. Beyond this date, the confirmation from the Seller is required.

PAYMENT TERMS

40% of the order value to be paid as advance along with purchase order mentioning our offer/order confirmation number.

Balance Payment to be paid against Proforma Invoice 10 days before dispatch.

All payments are non-refundable and non-interest bearing.

ORDER CONFIRMATION

It is deemed that the Buyer has accepted all the technical and commercial terms and conditions on release of the advance payment to the Seller.

TAXES AND LEVIES

'Goods & Services Tax / Other Taxes' on our aforementioned ex-works prices of the equipment and accessories/spares shall be charged extra as applicable at the time of supply.

TRIAL

Satisfactory working trial of the machine/equipment if requested by the Buyer before dispatch shall be conducted at the Seller's works in presence of the Buyer's representatives. The raw material required for such trial shall be supplied and delivered by the Buyers, at their expense, at the Seller's works.

INSPECTION

For any third party inspection/pre-shipment inspection, the entire cost shall be borne by the Buyer.

PACKING

The packing will be done with standard bubble/stretch wrap film without wooden box packaging. Wooden box packaging can be provided at an additional cost.

TRANSPORTATION AND INSURANCE

The transportation is by road on 'Freight To-Pay' basis. Insurance against all risks shall be arranged by the Buyer at their cost.

DELIVERY

The machine/equipment ordered by the Buyer will be delivered 'Ex-Works' in 10 to 12 Months from the date of receipt of advance and balance payment in full accordance with the fulfillment of the 'Payment Terms'. The delivery terms are also subject to receipt of all the technical information by the buyer. Any technical changes requested by the Buyer post the confirmation of the order might lead to delays in delivery. For any force majeure conditions affecting the delivery, please check the Force Majeure section in the terms and conditions below.

FORCE MAJEURE

The Force Majeure conditions affecting the delivery and/or performance of the contractual obligations by the Seller shall mean and include acts of God, strikes, lock-out, go-slow by workers, acts of public enemy, riots, war blockages, any natural hazards including but not limited to fire, earthquakes, heavy rains, regulations and restrictions, and all other known/unknown factors affecting the operations of Seller's unit. In case the Seller is affected by any of the above circumstances, wherein the delivery and/or performance of the contract is delayed, the Seller shall take prompt action and measures to restore normal conditions, so that the operation of the contract is resumed in the mutual interest of both the parties.



ERECTION AND COMMISSIONING

Upon receipt of the Buyer's written confirmation regarding the readiness of the site and all utilities required for erection and commissioning, the Seller shall depute Engineer/s for the erection and commissioning of the machine at the Buyer's works.

For the Seller's Engineers, the Buyer shall pay INR 3500 per day per Engineer plus taxes towards his expenses which includes lodging and boarding, to and fro transportation to the city/village where the factory is situated. The Buyer is required to pay all the charges for weekly-off's/Sundays, Public Holidays which occur during the stay of the Seller's Engineer/s at Buyer's site. The mentioned charges shall be paid to the Seller's Engineer whenever required during his stay at the Buyer's site.

Local conveyance of the engineer to and fro from the hotel to the factory shall be borne by the Buyer.

The Seller's Engineers shall complete the supervision of erection and commissioning with the help of required skilled/unskilled labor, raw material, forklift, lifters, cranes, utilities and other handling equipment which shall be provided by the Buyer at Buyer's cost.

Upon completion of the installation and commissioning, the Seller's Engineer will issue a Service report which has to be duly signed by the Buyer.

WARRANTY AND LIABILITY

The machine/equipment offered herewith is covered under warranty for a period of 12 months from the date of dispatch based on the following conditions:

- a) The warranty covers only manufacturing defects and is not applicable in case of excessive service condition, normal wear and tear, damages due to negligence in handling, improper use or operation, and/or inadequate or improper maintenance etc.
- b) Buyer shall not permit semiskilled or unskilled and or unqualified person to affect any operation of the machine/equipment or any replacement of the parts, maintenance, lubrication, adjustment or repairs of the machine/equipment.
- c) Only spare parts supplied by the Seller have to be used.
- d) The warranty does not cover electrical/electronic items. The warranty provided by the suppliers/manufacturers for electrical/electronic as well as ready purchase items will be passed directly on to the Buyers.
- e) The Seller does not cover replacement of the complete assembly/equipment if found to be defective. The responsibility or liability of the Seller shall be limited only to replacement or repair of the defective part/parts of the assembly/equipment free of charge at Seller's discretion within the warranty period. Final decision related to repair or replacement of the part/parts will be done by the Seller. If deemed to be replaced, the defective part/parts shall be returned to the Seller's works.
- f) No monetary claims or compensation of any kind like loss of profits and wages, production and raw material loss, rejections, due to defective part/parts or equipment will be entertained by the Sellers.
- g) Any unauthorized tampering with the machine/equipment or alteration of the name plate or any place bearing specifications or serial number shall void the warranty.
- h) If the Buyer starts unpacking the machinery and performs any installation or commissioning work without the supervision of the Seller's Engineer/s or subcontractors authorized by the Seller in writing, then the Seller assumes no liability or warranty and will not accept any claims for short deliveries and damages thereof.

ORDER CANCELLATION

In case the order is cancelled by the Buyer due to any reasons, the Seller reserves the right to forfeit all the advances paid by the Buyer.

In case the Seller is ready to effect the delivery and the Buyer is not prepared to take delivery/accept the goods or delay/avoid taking delivery, it shall be deemed that the Buyer has unilaterally cancelled the order/contract and in that case the Seller shall be entitled to forfeit the advance payments already made.



GENERAL

Performance, weight, measurement and powers although carefully calculated, should be considered as approximate only and are not to be taken as final. Since our product undergoes continuous evolution, the Seller reserves rights to modify the quoted figures and data specifications, additions or improvements, without any intimation to Buyer.

The buyer cannot transfer the technical data, drawings or manuals provided by the Seller to any third party. If Terms and Conditions contained in the Buyer's purchase order is inconsistent with the terms and conditions of this acknowledgement, the Sellers' terms and conditions shall govern.

The typographical or clerical errors, if any, shall be subject to correction.

ARBITRATION

In the unlikely event of any dispute between the Buyer and the Seller, if not amicably resolved, the court of jurisdiction shall be exclusively Ankleshwar, Dist. Bharuch, Gujarat, India.

For J P EXTRUSIONTECH PRIVATE LIMITED