

COMPANY PROFILE



A COMPLETE SOLUTION PROVIDER



More than 40 years of manufacturing expertise

ASHOKA, an Indian company, established in the year 1968 as a small machine shop with concentration in manufacturing of open gearing and customized machining has ever since grown into a multi-functional company expanding its supply range to a wide variety of heavy duty industrial spares, process machinery as well as an EPC contractor of projects primarily in the field of cement, sugar and steel.

A manufacturer and exporter with a set up comprising of precision machining, gear hobbing and heavy fabrication facilities.



LOCATION & STRENGTH

Today, as an ISO 9001-2008 concern, ASHOKA undertakes its production activities located in an around New Delhi (India) and spread into two self sufficient manufacturing units covering approximately **120,000 sq. feet of working area** with another 40,000 sq. feet under construction. ASHOKA comprises of a dedicated and talented team of over **200 skilled professionals** including engineers, design draftsman, business management graduates and certified machinist.

HEAVY FABRICATION & MACHINE SHOP

ASHOKA offers a convenient combination of a heavy fabrication and machining under the same roof. Equipment fabrication is carried out as per international welding procedures (WPS as per IS, BS, ASME) and material standards as per customer drawings and using special purpose modern welding equipment of various types including PLASMA profiles cutters, SAW/ARC/MIG/TIG welding machines, bending and rolling machines, special holding and rotating equipment for efficient welding, surface treatment (shot/sand blasting), heat treatment etc.

The same equipment is finish machined on imported floor and horizontal borers, vertical turret lathes, heavy duty turning lathes, floor drills, gear cutting hobbors etc.

Workshop has a lifting and handling capacity of 75 MT single piece.

GROUP COMPANIES

ASHOKA comprises of the following companies as part of the group:

- Ashoka Machine Tools Corporation (Greater Noida, UP)
- Ashoka Technologies (Mayapuri, New Delhi)
- Ashoka Machord Pvt. Ltd. (Sainik Vihar, New Delhi)



OUR CUSTOMER ARE

- Cement Plants
- Sugar Plants
- Steel Plants
- Fertilizer Plants
- Mining Industry
- Original Equipment Manufacturer's
- Mineral Processing Plants
- Paper Plants
- Rubber Plants
- Thermal Power Projects
- Hydro Power Project
- Port authorities
- Material Handling Companies

WE EXPORT TO

ASHOKA has emerged as a growing exporter with more than 50% of its annual throughput being supplied to the foreign markets. The countries where our products are supplied to are as follows:

- **AMERICA**- United States
- **EUROPE**- United Kingdom, France, Italy, Greece, Norway
- **AFRICA**- Kenya, Nigeria, South Africa, Madagascar, Djibouti
- Australia
- **GULF**- UAE, Jordan, Iraq, Iran, Turkey, Oman
- **SOUTH AMERICA**- Peru, Guatemala
- **ASIA**- Bangladesh, Pakistan, Vietnam



WE ARE MEMBERS OF

A number of reputed Government owned and operated trade organizations in the country such as:

- Fed of Indian Chamber of Commerce & Industry (FICCI)
- Confederation of Indian Industry (CII)
- Engineering Export Promotion Council (EEPC)

WE ARE APPROVED BY

We are an **ISO 9001:2008** company certified by **Det Norske Veritas (DNV)**. Additionally the company is also approved and recognized by internationally renowned quality inspection agencies such as:

- Det Norske Veritas (DNV)
- SGS
- Lloyds Register of Shipping
- Tata Projects Limited (TPL)
- Bureau Veritas (BVi)



PROJECT SUPPLY

In addition to its equipment supply ASHOKA is also a turnkey project undertaker, *a complete solution provider* with specialization in the field of supplying small to medium scale cement plants and sugar plants. System solutions and supply of a limited type of fertilizer plants and steel rolling mills is also offered under the same roof. ASHOKA undertakes activities relating to pre-feasibility study, system & design engineering, equipment manufacturing, sub-contracting and supply, erection & commissioning of supplied plant & equipment, post commissioning services such as training & operational management etc. thereby offering a total solution to our valued customer.

PROJECT CONSULTATION

Adding to its in-house engineering strength **ASHOKA** has tie-ups and association with the well known and respected organizations in the field of project consultancy. Such private as well as Government owned research bodies and testing houses are made a part of our team so as to offer complete project consultation, including:

- Project pre-feasibility and feasibility analysis
- Raw material testing
- Detailed project report generation (bankable documentation)
- Site selection
- Process and equipment selection with detailed specifications
- Mechanical general arrangement drawings for plant & machinery
- Electrical single line diagrams and schemes
- Civil foundation details and drawings
- Factory shed detailing and drawing submission
- Tendering information for machinery and parts procurement

Our competency lies in the fact that prime importance is given to the positioning and layout of the equipment so as to maximize overall running efficiency of our plant, not only in terms of individual equipment performance but also effectiveness of material handling in the entire project. Effort backed by proper studies is carried out before equipment selection is made to make sure that maximum feasibility is attained for every project especially with respect to price competitiveness. Company's design experts and sales force amalgamate to evolve the most reliable and appropriate designs only after understanding Client requirements and asset investment capability so as to get to the most suitable solution.

DESIGN ENGINEERING

Technical competence results from the talents, knowledge and training of abundant human resources. *Ashoka* therefore utilizes experienced and well trained engineers in order to maximize expertise. Personnel from one of the best educational institutes hold the key positions. To match competitive requirements of the international markets latest upgradations and equipment advancements are incorporated in the designs. A close watch on the international advancements is kept so as to be in tune with the absolute latest. Special computerized design software, with newest versions, such as SOLIDWORKS and AUTOCAD are used for all drawings including equipment drawings, general arrangements and layouts, civil drawings, process flow sheets etc.

ERECTION & COMMISSIONING

Converting untouched open ground to a productive commissioned plant is the measure of the competence at **ASHOKA**. And this is achieved through proper turnkey project management. Our company offers a self sufficient team of skilled and experienced personnel who are responsible for putting our machines into operation and handing a running *plants key* to the customer.

Product Range

Customized Equipment Fabrication

Activity	Capacity	Type
Equipment Fabrication (Steels)	As per customer designs and drawings	Various heavy fabrication jobs are being undertaken, such as, Kiln and Mill shells, Heavy duty bed frames, Vessels, Storage tanks, silos & hoppers, Housings & frames, Structural works, Crane fabrication, Material handling equipment, Hydro power equipment, Steel plant equipment, Special custom made equipment
Materials	As per required sizes	Steel as per following standards- IS 2062 Grade A/B/C, ASTM A-36 IS 2002 Grade I/II/III Boiler Quality, ASME SA 516 Grade 60/65/70, ASTM A 516 Grade 60/65/70
Rolling capacity	Upto 100 mm Th, 3500mm L	3 roller bending machine
Welding	2 mm – 5 mm ϕ electrodes	METAL ARC, MIG, TIG, SUBMERGED ARC
Welder Qualification	WPQ Qualified	-
Weld Tests	100% on weld joints	Radiography, ultrasonic testing, bend test
Lifting capacity	2 Bays-75 MT, 2 Bay-25 MT	Overhead hook cranes, Goliath Crane
Dynamic Balancing	Up to 2500 mm ϕ	As per requirement
Shot/Sand Blasting	Chamber size of 7000mm x 7000mm	As per requirement
Stress Relieving	Furnace size of 4000 mm x 8000 mm	As per requirement, localized stress relieving facilities are available



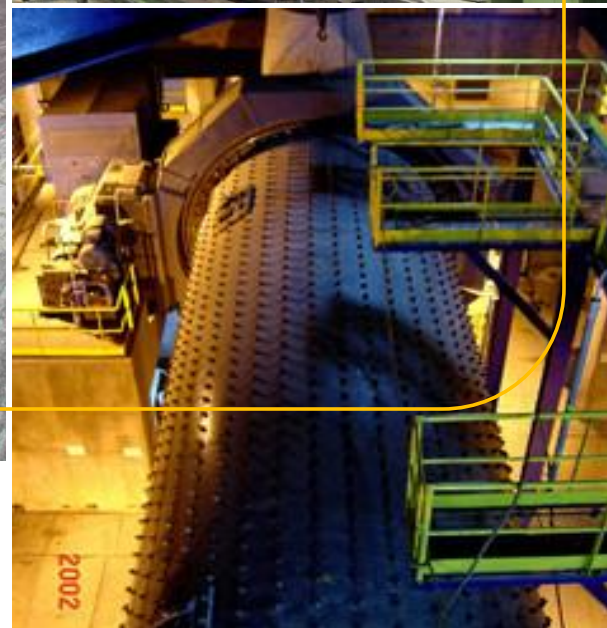
Plant Spares (Gears, Pinion Shafts, Rollers, Riding Rings, Tyres & Mill Ends)

EQUIPMENT	MAXIUM SIZE	MATERIAL OF CONSTRUCTION
Spur, Helical & Worm Gears	8500 mm dia x 55 Module	Cast & forged steels, cast irons, bronze
Segment Girth Gears	8500 mm dia x 55 Module	Cast & forged steels, cast irons, bronze
Bevel Gears and Pinions	2000 mm dia x 25 Module	Cast & forged alloy steels
Pinion & Pinion Shafts	55 Module, 5000mm Length	Forged alloy steels
Worm Gear Reducers	Up to 500 HP	CI housing, bronze/steel internals
Helical Gear Reducers	Up to 2000 HP	CI or fab housing, alloy steel internals
Sprockets	Simplex, Duplex, Triplex	Cast & fabricated steels
Kiln Tyres & Riding Rings	6300 mm dia x 1500 mm	Cast alloy steels
Support Rollers	2000 mm dia x 1500 mm	Cast & forged alloy steels
Fabricated Gears	8500 mm dia x 55 Module	Steel plate & cast/forged steel fabricated
Mill Pinion Stands	As per drawings	Steel castings & cast irons
Torsion Shafts	2000 mm dia x 10000 mm	Cast/forged Steel fabrication
Rope Drums	Up to 4000 mm dia	Cast & fabricated steels



Cement Plant Machinery

EQUIPMENT	MAXIMUM SIZE	MATERIAL OF CONSTRUCTION
Grinding Mills	Ball and rod mills	Steel fabrication
Kilns and Kiln Shells	Vertical shaft & rotary kilns	Steel fabrication
Separators	Dynamic High Efficiency	Steel fabrication
Crushers	Hammer impact	Cast iron, Steel casting & fabrication
Mill Internals	Liners & diaphragms	Cast steels and fabrication
Mill Headers/Ends	Trunion / Mill headers	Cast steels
Mill Bearings	White metal trunions	Special wear resistant castings
Feeders	Reciprocating, weigh feeders	Steel fabrication
Elevators	Bucket belt, chain	Steel fabrication
Conveyors	Screw & belt type conveyors	Steel fabrication
Air Slides & Air Lifts	Air blowing, pneumatic	Steel fabrication
Hoppers	MS fabricated	Steel fabrication



Lime Kiln Machinery

EQUIPMENT	TYPE	MATERIAL OF CONSTRUCTION
Vertical Lime Kiln Shaft	Standard and D Type Kilns	Steel fabrication
- Kiln Structures	Multistage	Steel fabrication
- Kiln ducts and hoppers	Square and cylindrical profiles	Steel fabrication
Multi Flap Valves	Single, Double, Tripple Flap	Steel forgings & fabrication
Dosing Vessel		Cast steels
Cyclones & Solid Fuel Silos		Special wear resistant castings
Skip Rail & Buckets		Steel fabrication



Hydro Power Machinery

EQUIPMENT	TYPE	MATERIAL OF CONSTRUCTION
Turbines	Standard and D Type Kilns	Steel fabrication
- Francis, Pelton, Kaplan	Multistage	Steel fabrication
High Pressure Butterfly Valves	Square and cylindrical profiles	Steel fabrication
Spiral Casings		Steel fabrication
		Cast steels
		Special wear resistant castings
		Steel fabrication



Sugar Plant Machinery

EQUIPMENT	MAXIUM SIZE	MATERIAL OF CONSTRUCTION
Crushing Mill Tandems	Multiple roller type	Cast iron and cast steel fabrication
Boiling Pans	Conventional & calendria type	Steel fabrication
Crystallizers	Air & water cooled	Steel fabrication
Centrifugal Machines	Continuous & batch type	Steel fabrication
Cane Loading & Cutting	Cane carriers, cutter, feeders	Steel fabrication
Bagasse Handling Equipment	Conveyors & elevators	Steel fabrication
Mud Filtration Equipment	Rotary vacuum & press filters	Cast iron and steel fabrication
Clarification Equipment	Clarifier, sulphitor, Sulfur furnace	Steel fabrication
Dryers & Graders	Hooper dryers, vibrating graders	Steel fabrication
Process storage Tanks	MS Fabricated	Steel fabrication



Turnkey Projects

PROJECT	CAPACITY	TYPE
CEMENT PLANTS	50 TPD – 1000 TPD (TPD- Tons per day)	<p>For Ordinary Portland /PPC Cement production with-</p> <ul style="list-style-type: none">▪ Equipment supply from limestone crushing till packed cement bags loaded onto trucks▪ Tubular ball mill type grinding▪ Vertical shaft & rotary kiln technology▪ Dry manufacturing process▪ Open & closed circuit systems with Pre-Heater and Pre-Calciner▪ Independent clinker grinding units with packing sections offered in higher capacities
SUGAR PLANTS	50 TCD – 1250 TCD (TCD-Tons Crushing per day)	<p>For crystal & refined white and brown sugar production from sugarcane with-</p> <ul style="list-style-type: none">▪ Equipment supply from cane crushing till packing sugar bags▪ Open pan, steam pressure boiling and vacuum boiling technologies▪ Cogeneration of power with for sugar plants▪ Sulphitized and non-sulphitized qualities of white and brown plantation sugar▪ Ethanol projects

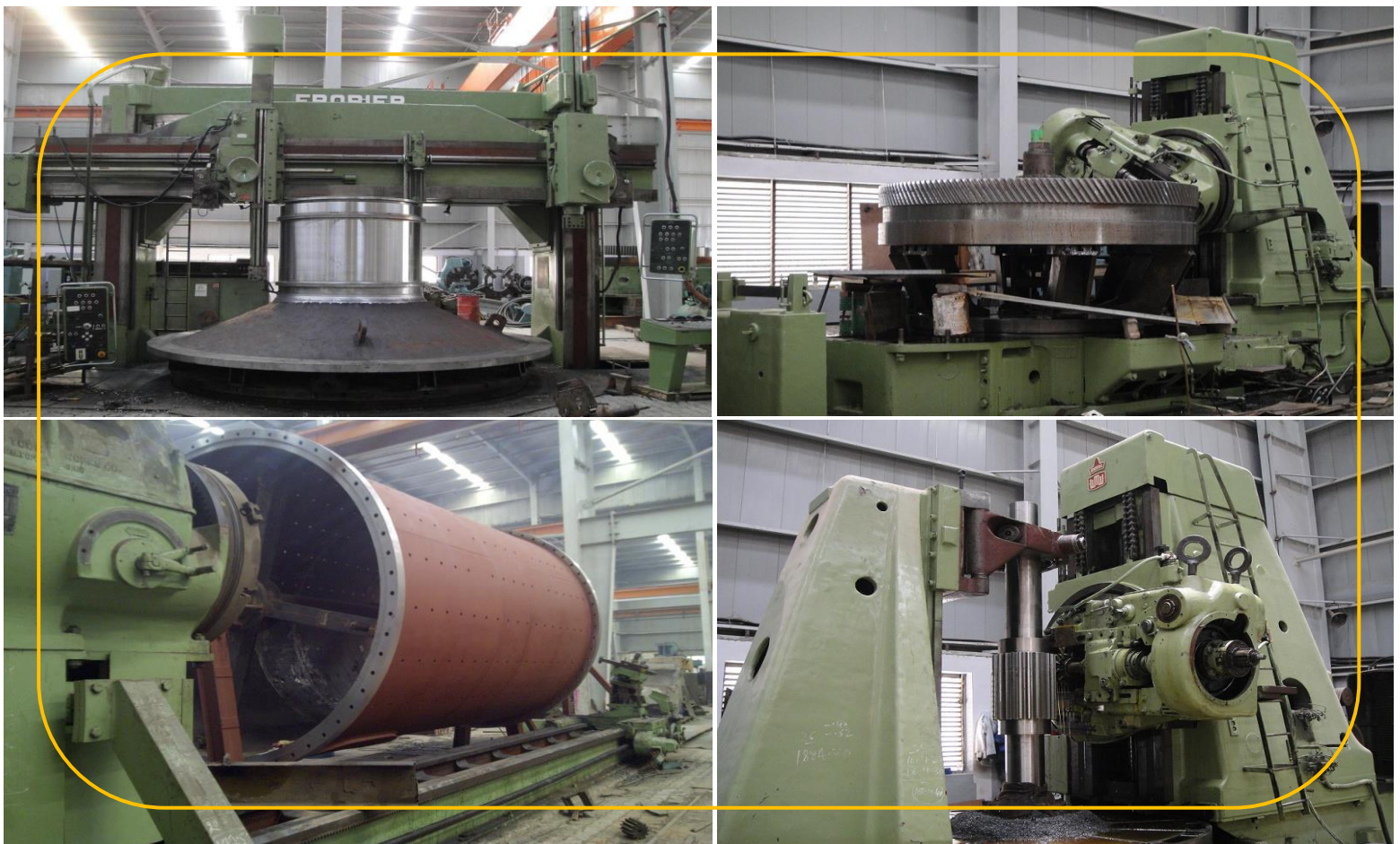


List of Major Clients

TYPE OF INDUSTRY	CLIENT NAME
Cement Industry	<ul style="list-style-type: none"> ▪ Grasim Industries Limited ▪ DOEL Group (Bangladesh) ▪ Mecatal (France) ▪ Cement Corporation of India ▪ UP State Cement Corporation ▪ Karim Cement Mills (Bangladesh) ▪ Langley Group (UK) ▪ TAG Company (Jordan) ▪ Triveni Cement Limited ▪ Ever Golden Cement (Bangladesh) ▪ DMakina (Turkey) ▪ Pak Cement Ltd. (Pakistan) ▪ A.T.M.E Cement (Oman) ▪ MPI Ltd. (UK, Dubai) ▪ Ministry of Djiubouti (Djibouti)
Sugar Industry	<ul style="list-style-type: none"> ▪ Bajaj Hindustan Sugar Mills (Bajaj Group) ▪ Upper Ganges Sugar Mill Ltd. (Birla Group) ▪ Oudh Sugar Mills (Birla Group) ▪ Durala Sugar Limited ▪ Mawana Sugar Limited ▪ Rajgarh Sugar Mills ▪ RBN Sugar Limited ▪ Rana Sugar Company Ltd. ▪ Kisan Sahakari Chini Udyog ▪ UP State Sugar Corporation Ltd. ▪ Euronip (South Africa) ▪ SN Sugar Limited (Sudan) ▪ Triveni Engineering & Industries Ltd. ▪ Godavari Sugar Ltd.
Power Industry	<ul style="list-style-type: none"> ▪ National Thermal Power Corporation ▪ D.E.S.U ▪ Panki Thermal Power Station ▪ GNPD, Bhatinda ▪ UP State Electricity Board ▪ Panipat Thermal Power Station
Heavy Equipment Suppliers	<ul style="list-style-type: none"> ▪ Loesche Limited ▪ Metso Minerals Limited ▪ BHEL ▪ HEC, Heavy Engineering Corporation ▪ Larsen & Tubro Limited ▪ Escorts Class Limited ▪ McNally Bharat Sayaji Limited ▪ Petron Mechanical Limited ▪ Mindex (United Kingdom) ▪ Elecon Engineering Limited ▪ Al-Kazemi Co. (Kuwait) ▪ Nortek (Italy) ▪ Hydem (Norway)
Chemicals & Minerals Industry	<ul style="list-style-type: none"> ▪ National Fertilizer Limited ▪ Hindustan Copper Limited ▪ Hindustan Zinc Limited ▪ J&K Minerals ▪ Saurashtra Calcine Limited ▪ Saurashtra Chemicals Limited ▪ DCM Chemicals Limited ▪ Bangladesh Chemicals Industries Ltd.
Steel Industry	<ul style="list-style-type: none"> ▪ Steel Authority of India Bhilai, Bokaro, Rourkela, Vizag Steel Plants ▪ Lloyds Steel Limited ▪ Tata Iron & Steel Company ▪ Sponge Iron India Limited ▪ Assousi Co. (UAE) ▪ Jindal Steels Limited ▪ JSW ▪ HEG Limited ▪ Beekay Engineering Corporation ▪ Simplex Engineering & Foundry Works ▪ Jaiswal Nicco Limited ▪ SAS (France) ▪ Intertrade (Greece)
Lime Kiln Industry	<ul style="list-style-type: none"> ▪ Carmuese Lime (Oman) ▪ Cimprogetti (Italy) ▪ Calco Industries ▪ Tec for Lime (Belgium) ▪ CMI Industries

TYPE OF INDUSTRY	CLIENT NAME
Mining Industry	<ul style="list-style-type: none"> ▪ Uranium Copper India Limited ▪ CCL ▪ SAIL Coal Washeries ▪ South Africa Engineering Ent. (South Africa) ▪ Vam Engineering (South Africa) ▪ Eurinop (South Africa) ▪ BALCO (HZL) ▪ Metso Minerals Limited
Rubber Industry	<ul style="list-style-type: none"> ▪ Modi Rubber Limited ▪ Vikrant Tyre Limited ▪ JK Industries Limited ▪ Goodyear India Limited ▪ Dunlop India Limited ▪ Nepal Rubber Co. (Nepal)
Paper & Pulp Industry	<ul style="list-style-type: none"> ▪ KP Mills (Iran) ▪ Indian Paper Machinery Limited ▪ BILT ▪ Orient Paper Mills ▪ Coastal Paper Limited
Leather Tanneries	<ul style="list-style-type: none"> ▪ Bawa Skin Limited ▪ Mascot Leather (UK) ▪ Mirza Tanneries
Port Trust Authorities	<ul style="list-style-type: none"> ▪ Goa Port Trust Authority ▪ Bombay Port Trust Authority ▪ Madras Port Trust ▪ GRSE Limited ▪ Mormagao Port Trust

Note: The above list is not a complete list and is prepared to give the client an idea of the type of companies we have had an experience with.



List of Machinery

GEAR HOBBING / CUTTING

1. WMW Gear Hobbing Machine 1 No.
Capacity: 8,500mm diameter x 55 Module
2. WMW Gear Hobbing Machine 1 No.
Capacity: 6500mm diameter x 55 Module
3. WMW Gear Hobbing Machine 1 No.
Capacity: 4000mm diameter x 55 Module
4. TOS FO-25 Gear Hobbing Machine 1 No.
Capacity: 3200mm diameter x 30 Module
5. TOS FO-16 Gear Hobbing Machine 3 Nos.
Capacity: 2000mm diameter x 20 Module
6. WMW Gear Hobbing Machine 1 No.
Capacity: 1000 mm diameter x 12 Module
7. CUIGER Gear Hobbing Machine 1 No.
Capacity: 800mm diameter x 10 Module

VERTICAL TURNING & BORING

1. NILES Vertical Turning & Boring 1 No.
Capacity: 8500mm diameter x 2500mm Ht.
2. FRORIEP Vertical Turning & Boring 1 No.
Capacity: 6300mm diameter x 2500mm Ht.
3. SIMPLEX Vertical Turning & Boring 1 No.
Capacity: 5000mm diameter x 2000mm Ht.
4. SKODA Vertical Turning & Boring 1 No.
Capacity: 2800mm diameter x 1500mm Ht
5. DORRIES Vertical Turning & Boring 1 No.
Capacity: 1500mm diameter x 1000mm Ht.

HORIZONTAL FLOOR BORING

1. SKODA Horizontal Borer 1 No.
160 mm Spindle with integral Ram & rotary table
2. COLLET & ENGELHART Borer 1 No.
210 mm Spindle, Bed length 13000mm
3. COLLET & ENGELHART Borer 1 No.
160mm Spindle, Bed length 5000mm
4. PEGARD CNC Horizontal Table Borer 1 No.
110 mm Spindle, Table Type

PLATE BENDING

1. BERTSCH Bending Machine
a. Capacity: Upto 80 mm Th. x 3500 mm W 1 No.
b. Capacity: Upto 30 mm Th. x 2500 mm W 1 No.

HEAT TREATMENT

1. Stress Relieving thru Induction Coil Resistance Equipment 2 Nos.
2. Baking Ovens 4 Nos.

SURFACE TREATMENT (BLASTING)

1. GRIT / SHOT / SAND Blasting Machine 1 Unit
2. High Pressure Airless Painting 1 No.

BAND SAW

1. Capacity: 300mm diameter, Fully automatic 1 No.

LATHES

1. Capacity: Upto 5000 mm D x 15,000 mm L 9 Nos.
2. CNC WMW - 1000 mm D x 4000 mm L 1 No.

MISCELLANEOUS MACHINES

1. ROCKFORD Slotting Machine 1 No.
Capacity: 2500 mm diameter x 900 mm Stroke
2. CRAVEN Worm Hobbing Machine 1 No.
Capacity: 1300mm diameter x 20 Module
Single/Multiple Thread Wheels
3. IKGEA Japanese Planer 1 No.
Capacity: 1400 mm W ,13 Ft. Bed Length
4. FORTUNA & TOS Cylindrical Grinder 2 Nos.
Capacity: 1000mm L
5. Internal Grinding Machine 2 Nos.
Capacity: 600mm diameter
6. Dynamic Balancing Machine 1 No.
Capacity: 500 Kgs.
7. SHAPER (Horizontal) Machine 2 Nos.
Capacity: 24" – 40" Stoke
8. CARLTON Radial Drills 3 Nos.
Capacity: Upto 50 mm diameter x 16 Ft Length
9. BROACH Magnetic Drill 1 No.
Capacity: Upto 50 mm diameter

WELDING & CUTTING EQUIPMENT

1. ARC, MIG, TIG, SAW Welding Machine 15 Nos.
Capacity: 400-600 Amp
2. MOTORIZED SHELL ROTATORS 6 Sets
Capacity: Upto 50 MT rotating capacity
3. CNC PLASMA Plate Profile Cutting 1 No.
With advanced nesting cutting software
Capacity: 3000 W x 9000 mm L
4. Automatic Submerged Arc Welding Tower 1 No.
Capacity: 6 m Horizontal x 6 m Vert. Travel

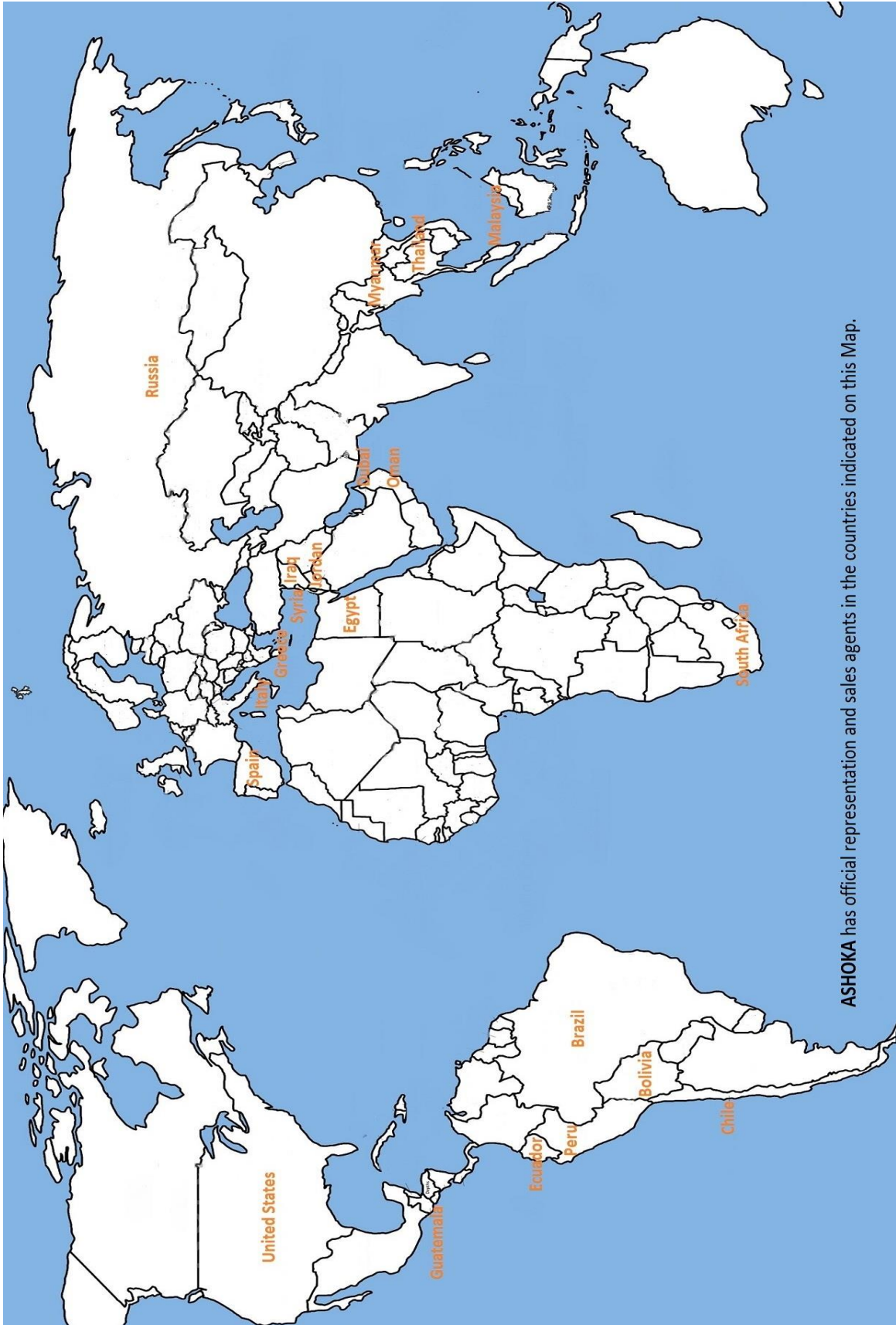
MATERIAL HANDLING EQUIPMENT

1. 75 MT Overhead Crane 2 Nos.
2. 25 MT Overhead Crane 1 No.
3. 15 MT Overhead Crane 2 Nos.
4. 10 MT Overhead Crane 1 No.
5. 25 MT Goliath Crane 1 No.

TESTING MACHINES

1. Non Destructive Testing: Ultrasonic testing, Equotip hardness tester, Magnetic particle inspection, Radiographic testing, Pressure testing, DP testing, Surface roughness tester, Various measuring instruments

International Representations



ASHOKA has official representation and sales agents in the countries indicated on this Map.

FACTORY LOCATIONS

Factory I- D-62-67, EPIP, Site V, Kasna,
Greater Noida, UP- 201306, India

Factory II- A-52, Sector 58,
New Okhla Industrial Development Area, UP, India

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