

JRS Farm Parts



GEAR & DRUM CATALOGUE



company profile

Dear Customer,

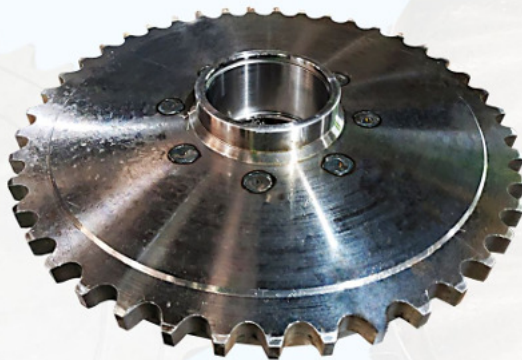
This catalogue is to offer our valued customers a range of Drum & Gear, to cater the increasing need of Forest industry. Ever Since our establishment three(3) Decades ago the company has moved itself to become one of the most respectable entrepreneurial Philosophies and integrated corporate polices have mobilized the company to become a Government approved Manufacturer Exporter entirely focusing on international trade.

Eastman Cast & Forge Limited (ECFL) is another manufacturing venture of Eastman group which produces Hand Tools, Power Tools, Forgings and sell them world wide. ECFL is an OEM supplier to India's leading automotive and agricultural such as John Deere, Mahindra & Mahindra, New Holland Tractor, etc.

As a customer focused organization and to increase its competitiveness in the overseas market the company has full fledged infrastructure to be competitive in all respects. We have developed trained professional in quality control at manufacturing processes as well as before shipment to ensure the best quality products & efficient service from  every time and all the time. In our journey to new horizons, we look forward to your valued association as our overseas business partners.



Mr. J.R. Singal, the Managing Director of Eastman Industries Limited receiving the National Export Award Trophy from honourable Shri Atal Bihari Vajpayee, Then Prime Minister of India.



With recent investments in production plant JRS industries now caters clients from Forest industry with supply of parts for forestry winches. Parts such as Pulleys, Shafts, Drums, Gears and linkage Pins for assembly of winches ranging from capacity 3.50 tonnes to 8.50 tonnes, manual as well as hydraulic is now being done through dedicated separate production lines for Drums and Gears respectively. We invite interested clients for production collaboration in India with us to fulfil there supply chain requirements directly on there assembly line.

Mazak (Japan) Quick Turn Nexus 150-II



Muratic (Japan) Automatic Loading/ Unloading Robotic Arm CNC M/c



PLANT FACILITIES

In order to meet growing challenges of varied product requirement of OEM as well as after sale customers of Farm parts, Pistons, agricultural implements, tractor linkage & towing parts, Eastman geared itself to have state of art manufacturing plant in Ludhiana (Punjab). Equipped with technical know-how, Eastman offers quality Fam parts that give value of true sense. The Product adaptation as per customer needs of design & quality under stringent time schedules requires manufacturing facilities to be in-house.

MANUFACTURING BASE

We have Plant that includes 7 forging equipment from capacity of 0.50 Ton to 1.50 Tons, Modern tool room for dies that includes EDM wire cut. Machining needs are fulfilled by Automatic Loading / Unloading Robotic Arm, Double Spindle, MW 120G computer numeric Control Machine from Muratec, Japan, High speed MDC/508 from Tongtai Taiwan & Mazak Japan. Besides this, our manufacturing infrastructure also include Vertical Milling M/c, Small Productive Automatic Lathes, Tapping Lathes, Mechanical power Presses 150 Ton (H type & C type), Hydraulic presses of 100 & 250 tons, Pneumatic Presses with Auto feeders, Drilling M/C, Hydraulic & Gear Drilling, Centre Less Grinders & Automatic Band saw machines. We do also have CNC work centre have in place flow manufacturing and have Conveyer system at place.

we Follow MIG welding and do have a Heat Treatment Furnace (Gas carburizing plant) & to meet production deadlines, have uninterrupted power supply through Generator sets of 365KV.

Mazak (Japan) Quick Turn STAR 2001



Lokesh TL-20 CNC Machine



TESTING FACILITIES

Proper care is made to Test product in flow itself, for example Chemical testing and hardness testing is done right in production process itself. Quality control & Material testing laboratory is also available along with manufacturing facility. In process Inspection at different manufacturing process assures zero deflection and 100% accuracy to required Tolerances.

R & D

We have R & D centre & have also in-house developed ERP system in place & art engineering software for drawing & designing which are helpful for clarity and easy communication.

Hardness Testing



Chemical Test Laboratory



QUALITY FOCUS

However the cost of component under check by working on innovative energy conservation techniques & awareness to workers through quality circles in different depths.
As ISO 9001:2015 certified facility, Eastman also acquires "German Product Safety Standard" certification by TÜV Rheinland as well.

TOOLS DESIGN & DEVELOPMENT

The key to customer delight is timely execution of project & project management plays the most important goal in delivering the right product, at the right time and at the right location.
The cross Functional Team takes care of the complete Process of Project Management right from defining the project goal & targets, till the final PSW Submission. A Close interaction is maintained with the development process.
Process Development is the key to ensure timely identification & deployment of all the necessary resources not only in term of M/C but also inspection facilities, trained manpower, utilities etc. to ensure smooth development, trial, inspection & submission of PPAP lots as per defined time lines.

ENGINEERING & DESIGN

With a team of designers for over two decade of experience in designing, JRS combines together the latest technology and rich experience. Once the tool design is complete, The design data is converted into machining data using software's and this data is transferred directly to High Speed & High Precision Machining Centre.

SIMULATION & ANALYSIS

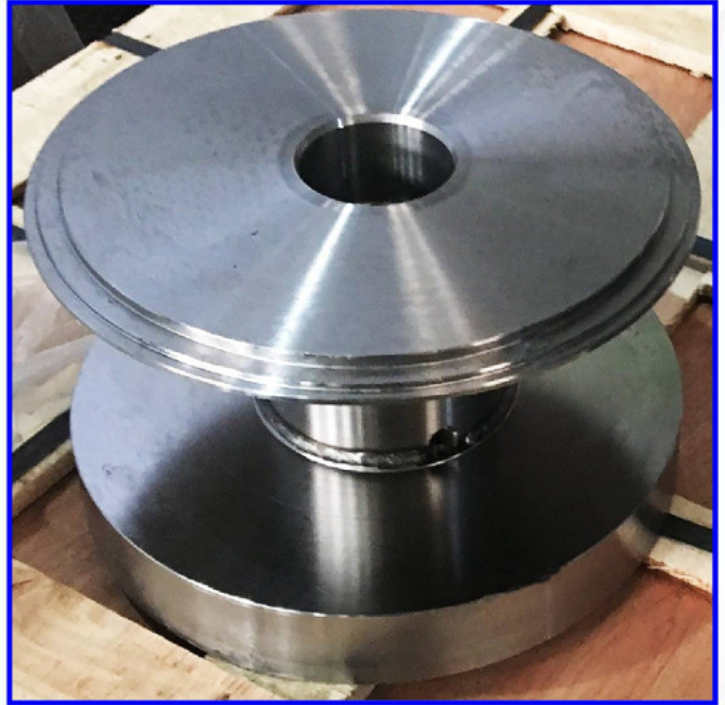
The use of advanced simulation & testing software give JRS the advantage of testing all the tool designed for cast fill, gate design, over flow design by doing mould fill simulations & thermal analysis of the design at actual production parameters. This not only avoids numbers of tool correction required but also ensures good castability as optimum machine parameters are already known.






Center Less Grinding Machine



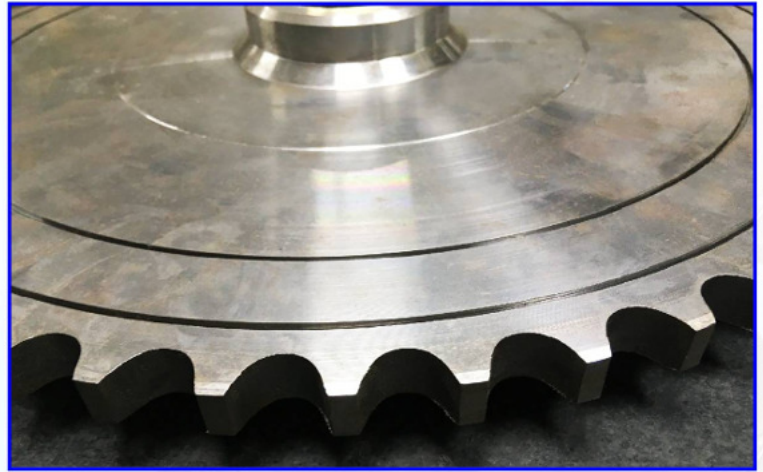
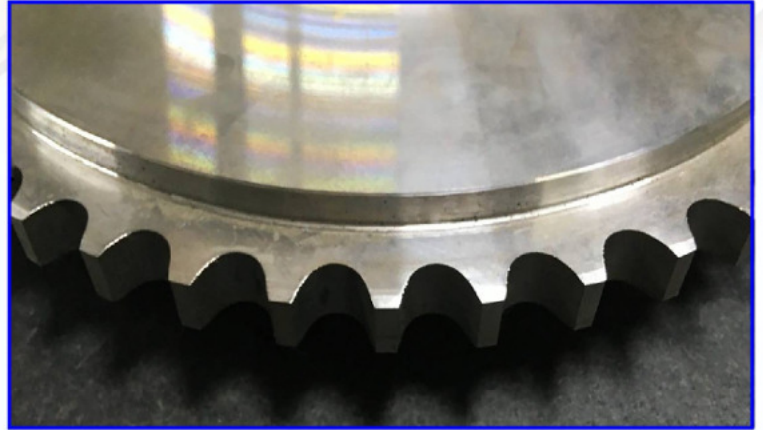
Automatic Lathe Machine










-  *Dedicated three separate production Lines for Drums we have now capacity to produce 800-1000 pcs per month to deliver direct on assembly line of our clients.*
-  *Rolled steel plates of desired thickness and material grade of S355 is used for manufacturing and machining is done on CNC machines to control dimensions and deflections within microns.*
-  *Welding of plates and bushes for assembly is done autonomously. Timely controlled semi-automatic welding special purpose machines in order to ensure optimum strength of weld joints.*
-  *Final machining is performed on CNC machine and proper care is taken to achieve tolerance as per clients drawings.*
-  *Quality control is done by not only performing dimensional tests, but also strength tests and welding penetration test to ensue each production batch has levels of quality and work under desired load conditions.*





-  *Just Like Drums, Gears production is also dedicated by two separate production lines with CNC machines, Hobbing Gear accurate teeth cutting machine tools and semi autonomous welding machines build our capacity to deliver on assembly line each month 1000 pcs.*
-  *S355 steel grade rolled sheet is used for Gear production and MIG welding process is used for welding Gear plate with bush to achieve desired weld strength.*
-  *Hobbing process is performed on high accuracy gear cutting machines and each piece is inspected with standard chain to verify the process beside dimension report is recorded.*
-  *Final CNC turning is performed to control dimensions critical to application such as bearing sizes, deflections along axis and run outs and inspected via special fixtures and dial gauges to ensure client exceptions of fine quality standards are met.*
-  *Quality control is performing dimensional tests, but also strength tests and welding penetration test to ensure each production batch has best levels of quality and work under desired load conditions.*





Each Drum is applied with rust preventive oil and packed in bubble sheet as shown in picture on left and placed in wooden boxes for protection during transportation.

Each Gear is applied with rust preventive oil and packed in bubble sheet for protection against damage during transport. Placed in array formation in wooden boxes for protection during transportation.

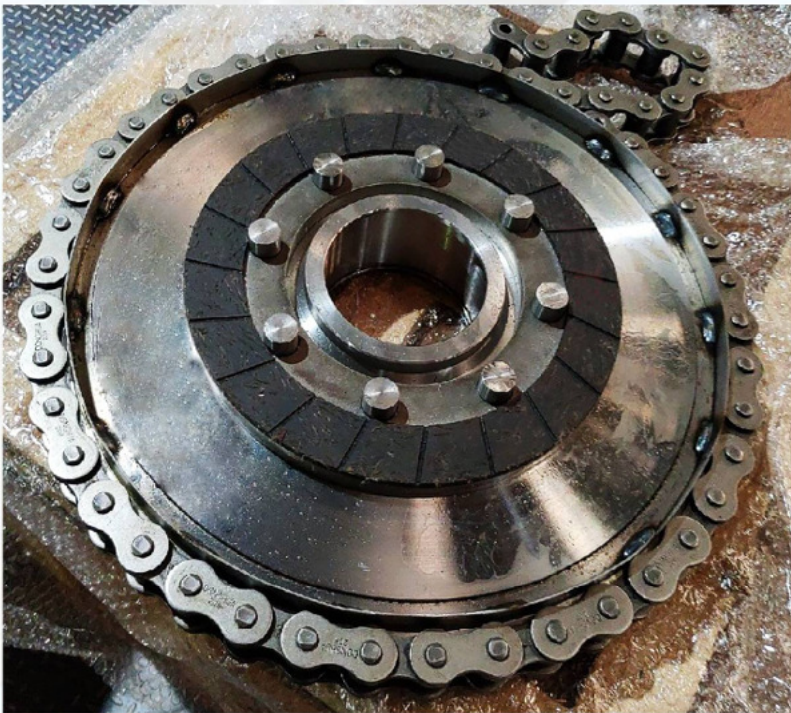


Other items such as Shafts, Pulleys, Linkage Pins, Bushes are also packed in net packing for protection against any damages during transportation. Standard euro wooden boxes are used for easy loading and unloading.





Pieces are inspected with special gauges, such as Bore gauges, CD gauges to ensure smooth fitment of Drums. Dial gauges are used to check runouts, deflection during machining process.



Quality control is performed not only based on inspection sheet but also on assembly grounds and random sampling is done to check Clutch plates fitment and Chain fitment on each production batch of gears.



Smaller parts are also inspected very strictly with bore gauges to check critical sizes are within tolerance expected by client. Most of them are with in 20-30 microns for bearing assembly.

Let's Win...Together



JRS Farm Parts

Eastman[®] INDUSTRIES LTD.

C-87, Phase-V, Focal Point, Ludhiana -141010(India)

Tel. : +91-161-2670935, 2670936, 5280000

Fax : +91-161-2670934

E-mail : paldeep@jrsfarmparts.com

www
jrsfarmparts.com