## **E-TOUR OF MANUFACTURING FACILITY**



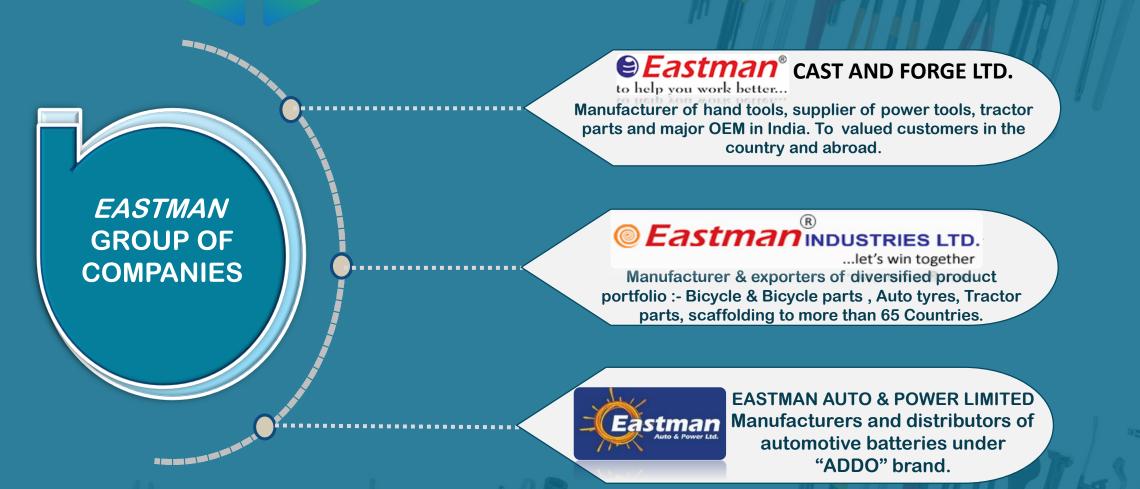




## MANUFACTURING PLANT OVERVIEW



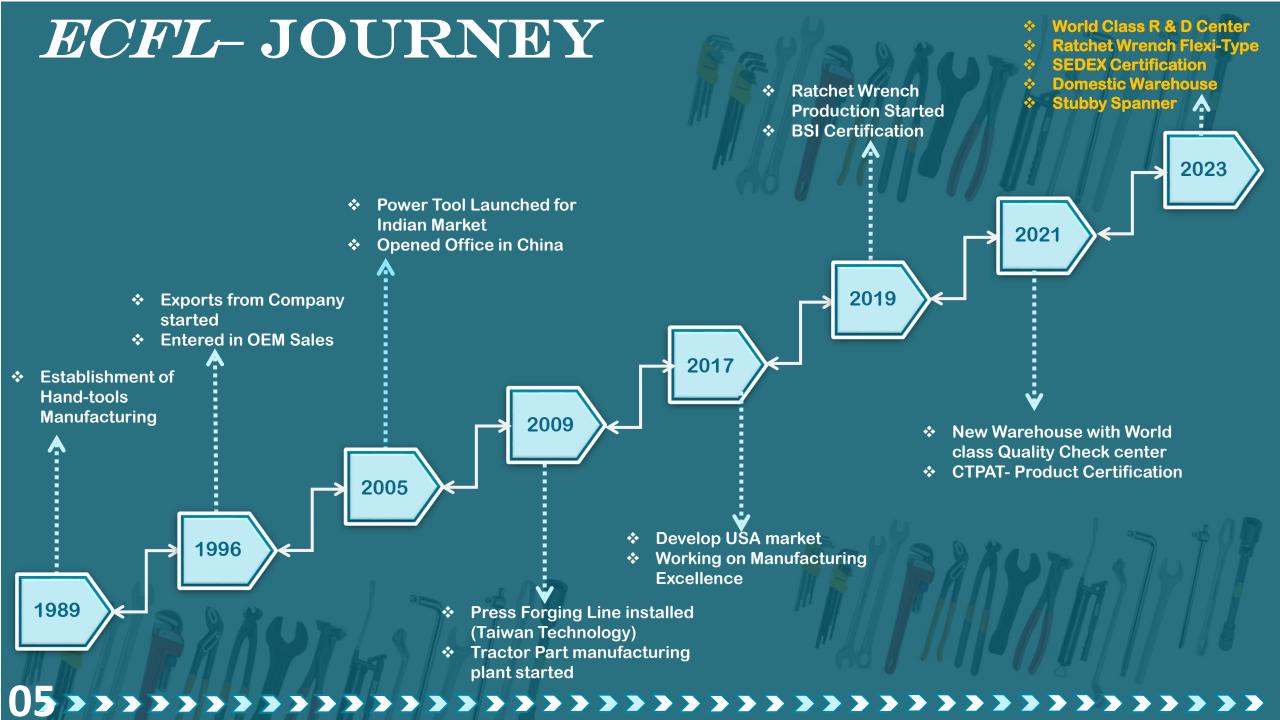
### JRS Eastman Group Overview



Currently Eastman Group of Companies have a Strength of 4215 Employees

#### EASTMAN GROWTH CHART





## GLOBAL PRESENCE IN 33+ COUNTRIES



#### **PRODUCT RANGE**

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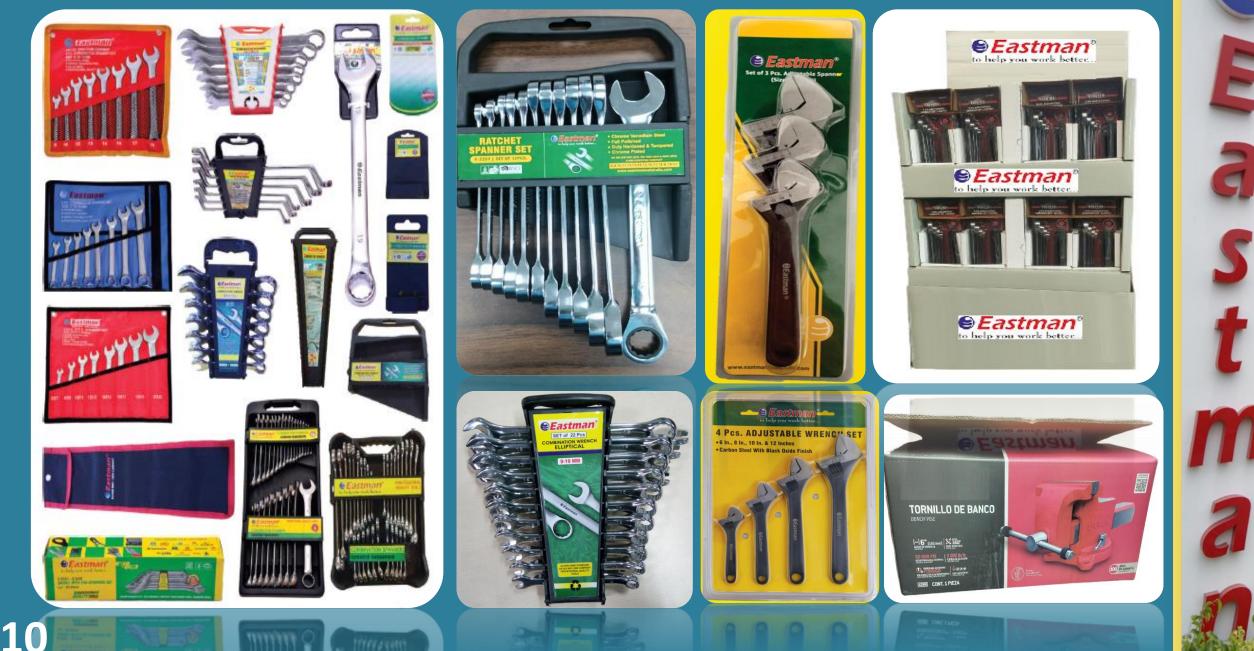
### PRODUCT RANGE



## **CERTIFICATION – IMS AND PRODUCTS**

ISO 9001 QMS	ISO 45001 OHS	ISO 14001 EMS	bsi.connect CTPAT
Certificate	Certificate	Certificate	DSI.CONNECT CTPAT
Standard ISO 9001:2015 Certificate No. 01 100 2236840	Standard ISO 45001:2018 Certificate No. 01 213 2238840	Standard ISO 14001:2015 Certificate No. 01 164 2238840	
Certificate Holds: Eastman Cast & Forge Ltd. G.T. Road Karport Luchana 14 1120 India	Certificate Holder: Eastman Cast & Forge Ltd. G. T. Road New Apport Ludnana 14 1120 brds	Certificate Holder: Enstiman Cast & Forge Ltd. G. T. Road New Argon 12 Ludhana 141120 India	EASTMAN CAST AND FORGE LIMITED Village: Pawa, Khagat, P.O.: Sahnewal, Sahnewal, Punjab, India 141120 +91-9876298202
Scope: Manufacture of Hand book and Farm parts. Proof has been furnished by means of an audit that the requirements of ISO 9001: 2015 are met. Validay: The certificate is valid from 2022-11-52 until 2025-11-52.	Scope: Manufacture of Hand tools and Farm parts Proof has been furnished by means of an audit that the requirements of ISO-45001 2015 are met. Validity: The certificate is valid from 2022-11-03 unit 2025-11-02.	Scope: Manufacture of Hand tools and Farm parts Proof has been furnished by means of an audi that the requirements of ISO 14001-2015 are met. Vailofly: The certificate is valid from 2022-11-03 unit 2025-11-02.	SUPPLY CHAIN SECURITY - INTERNATIONAL FACILITY
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www.tuv.com	www.tuv.com	www.buv.com	Compliance Score 90% Audit Type EXTERNAL AUDIT
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# PRODUCTS -PACKAGING



#### **PRODUCTION - FORGING**



**PRESS FORGE** Ratchet Wrench, Water Pump Pliers, Pliers and other products.

11

#### 9 DROP FORGE HAMMERS

Production Capacity 2Million products / Month

#### FORGING

Gas Fired Induction heaters for blanks for better forging quality

#### **PRODUCTION - PROCESS**









TRIMMING PRESS Removing extra flesh with accuracy

BROACHING Jaw accuracy is achieved by Hydraulic Broaching

AUTOMATIC POLISHING Accuracy in appearances and Shape for best Aesthetics



AUTOMATIC POLISHING MACHINE Automatize polished Machine



EDGE CUTTING MACHINE Gear Milling for ratchet Wrench



GEARING MILLING RATCHET Milling accuracy for ratchet fixing

1.00 1.00



SQUARE CUTTING MACHINE Cuts all kinds of Shapes

### **PRODUCTION - PROCESS**





COLD STAMPING – BRANDING 200 + 400 ton Hydraulic press for brand Embossing by cold forging.



VIBRATORS FOR SPARKLING FINISHING Superior finish by Vibro polishing machines



## HEAT TREATMENT PROCESS

Atmosphere control continuous heat treat plant for consistent and accurate Hardness







#### **GCF (Gas Carburising Furnace)**



#### SURFACE COATING









ELECTROPLATING – Chrome, Satin, Matt

#### **ELECTRO ZINC PLATING – Yellow and White Zinc**









**15 POWDER COATING – All Colors Possibility** 

PAINT COATING – All Colors Available

#### **ON LINE QUALITY CONTROL**







RAW MATERIAL TESTING All incoming material tested before sending for production

FORGING QUALITY Checking after every 2 hours for consistence quality HARDNESS TESTING Regular interval testing after Heat Treatment for quality consistency







PLATING TESTING

16

UTM

### FINAL QUALITY SAMPLING INSPECTION

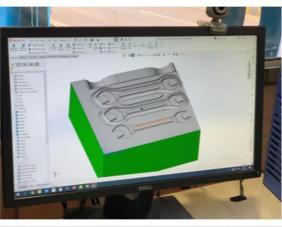




## **TOOL ROOM DESIGNING & DEVELOPMENT**

State of art in-house smart tool room equipped with VMC, EDM and Wire-Cut machines for development of new dies.









DESIGN DEVELOPMENT 3D drawing on SolidWorks, Auto Cad for production drawings

**VMC** Digital tool designing



18





**SPARK EROSION** Tooling engraving brand and sizes



3

FORGING DIES Polishing by hand

#### STANDARD ROOM Latest Equipment and Quality Standard library





Standard Room Equipped with latest testing machine with printable reports for material and packaging.



#### QUALITY STANDARDS LIBRARY

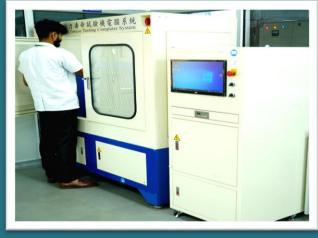
DIN , ANSI and IS standard documents for ready reference.

#### **TESTING EQUIPMENT**









SALT SPRAY **Checking the corrosion** resistance of coatings and materials

**ROCKWELL HARDNESS TEST Digital hardness testing** machine for quality assurance

SPECTROMETER

Material chemical composition for finish and Raw material testing





**VISION MEASURING SYSTEM To Check The All Dimensional** Parameter



ELCOMETER **Destructive type Compact and** sophisticated thickness tester for the measurement of plating thickness



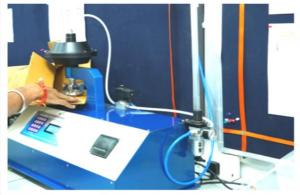
**COATING TESTER Coating thickness tester (Nickel** ,Chrome, Zinc, Paint, Powder coating, Phosphate etc.)

MICROSCOPE **Identify Structure Of Material** 





CARTON DROP TESTING Drop test of carton for checking Strength



BRUSTING STRENGTH TESTER Checking carton strength



COLOR METER Checking printing color variations



MOISTURE METER Checking moisture of cartons









BAR CODE READER Checking Bar Code

21

COLOR MATCHING BOOTH Checking color variation on products

BELT TENSION METER Belt strength inspection

Date: 01.09.2023

#### WAREHOUSE – EXPORTS









WAREHOUSE

FINISH GOODS STORAGE SYSTEM WITH 5S , ONE PRODUCT ONE LOCATION, PLACE FOR EVERYTHING









**22** BRAND MARKING WITH LASER

#### PACKING OF MATERIAL

PACKED GOODS FOR DISTACH CONTAINER LOADING

#### HEALTH & SAFETY, SOCIAL RESPONSIBILITY



#### PPE'S PRODUCTION DEPARTMENT



#### **5S EXCELLENCE AWARD**





RO PLANT TO PROCESS WATER AND REUSE FOR GARDENING 23

ETP PLANT FOR CHEMICAL WASTE

SLUDGE DRYING



## **CUSTOMER SERVICE**

	ST & FORGE LTD VOICE OF		CUSTOME	R- SURVE	(	QMS-F-2020/01				
	nization Name									
2. Conta	ct Person Name	:-								
	ase Order No / PI No.									
3. Purch	hase Order No / PI No.	5								
4. Invoid	ce Number / Date	-								
5. Shipn	nent Date	2								
C- N-			Rating							
Sr. No	Feedback Indices / Para	meter	Excellent (10)	Good (8)	Average (6)	Below Average (4)	Poor (2)			
3.1	Shipment Time		(10)	(0)	(0)	/ (Foldgo (+)	(4)			
3.2	Service Pre-Shipment									
3.3	Pre Shipment Documents									
3.4	Quality Reports									
3.5	Shipping Line									
3.6	Packing									
3.7	Level from past shipments									
3.8	Pre shipment Samples									
3.9	Artworks									
3.9.i	Payment									
3.9.ii	Container Arrangement									
3.9.iii	Documents provided Time	elv								
3.9.iv	Product Range	.,								
3.9.v	Quality of Product									
3.9.vi	Consistency of Quality bet	ween								
	shipments									
3.9.vii	Supportive Attitude									
3.9.viii	Any Issue regarding Shipm time taken to resolve	nent &								
3.9.ix	How you rate our delivery	looking								
	to market situation	0								
4.	IMPROVEMENT ARES FOR	R OUR PR	ODUCT AND S	ERVICE						
4.1	Your expectation /support									
4.2	Your recommendation for Promoting sales :									
4.3	What are the activities our	competit	ors are doing							
4.4	to promote sales? What product range you re	bhe of au b								
4.4	which can give you edge									
E Succ	estion and Critical View:		,							
5. Sugg	estion and Critical view:									
6. Overa	all rating:									
Date:	an raang.		Customer's Representative:							
	· · · · ·			Contact Number:						
			Email:							
			(Signature with Stamp)							
					<b>F</b> #					
Issue No	0:00				Effective	e date:12.10.20	11			









HANDLES





**CUSTOMER FEEDBACK FORM TO UNDERSTAND AND IMPROVE GAPS** IN QUALITY, QUANTITY, PACKAGING **AND SERVICE** 74

**PRE-DISPATCH INSPECTION REPORT TO CUSTOMERS SUBMIT REPORTS, PHOTOS AND VIDEOS FOR APPROVAL** 

# **OUR SATISFIED O.E.M CUSTOMERS**



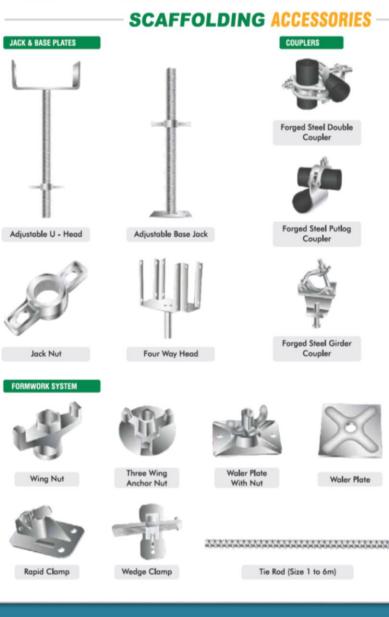
OLED

# EXHIBITIONS



# NEW PRODUCT DEVELOPMENT











Forged Steel Sleeve Coupler



Pressed Steel Putlog Coupler





Disc



# UP COMING R & D CENTRE WITH TESTING FACILITY BY DEC- 2024



# THANK YOU

WWW.EASTMANTOOLSINDIA.COM

WE ALSO INVITE YOU FOR VIRTUAL LIVE TOUR FOR OUR MANUFACTURING FACILITY ON ZOOM PORTAL