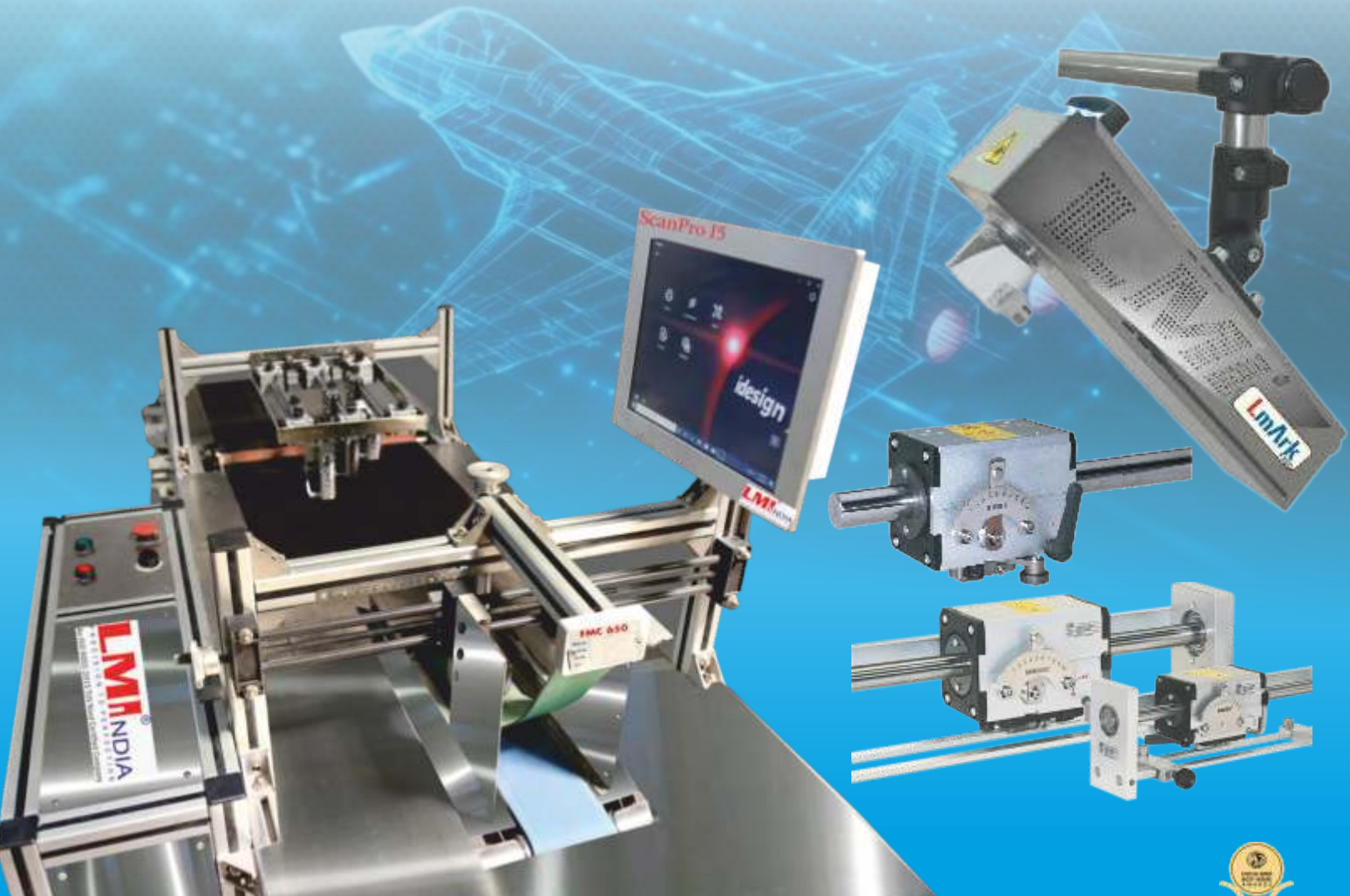




LMI[®]INDIA
PRECISION TO PERFECTION
An ISO 9001:2015 TUV Nord Certified Company

ENGINEERING EXCELLENCE IN AEROSPACE & DEFENCE



Registered
supplier with:



At LMI India, we take pride in our technical and engineering proficiency in researching and developing components and sub-components for the aerospace and defence sectors. Our highly skilled professionals possess extensive expertise in specialized areas laser controlled precise and micro-machining, leveraging our cutting-edge facilities and advanced technologies, we excel at automating and scaling production for our clients. This ensures the delivery of high-quality components and sub-components that precisely align with their specifications. Whether you require support with prototyping, design, development, or production, our knowledge and domain expertise will enable you to realize your objectives and successfully introduce innovative solutions to the aerospace and defence market.

We have gauges, fixtures, and tools to make defence components with smooth finishing and precision. We work with a diverse range of materials such as stainless steel, brass, alloys and engineering plastics like PTFE, PEEK, acetal, and nylon. All sharp edges are deburred and materials are re-worked where ever possible to reduce the waste and environmental impact.

For us quality isn't a department, it's a culture. From drawings to final dispatch, every part passes through strict controls, dedicated inspection areas, constant verification, and tolerances meet the highest expectations. That's how we consistently maintain quality and on-time delivery for all defence contracts. We manage a wide range of advanced finishing and post-machining processes such as heat treatment, laser welding, lapping, deburring, non-destructive testing, electropolishing.

We are equipped with clean and climate control inspection room. We have experience with military grade materials, small batch and prototype production. Tight tolerance cnc machining for complex geometry is our forte. Whether it is deep sea or high altitude, desert or arctic weather condition requirements we are capable of handling those special grade components from design to manufacturing.

Company Profile – LMI INDIA

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LMI India, an ISO 9001:2015 TÜV Nord Certified Company, is a reputed Indian manufacturing company headquartered in New Delhi. With a focussed commitment to excellence and precision engineering, LMI specializes in producing high-precision and special-purpose components for the defence and allied sectors.

Manufacturing Infrastructure LMI operates state-of-the-art manufacturing facilities at:

- ❖ IMT, Bawal, Haryana
- ❖ Bharthal, Dwarka, New Delhi

Both facilities are designed and built to meet stringent industrial safety and quality standards, featuring:

- ❖ Certified firefighting and exhaust systems
- ❖ Natural ventilation and ergonomic layout
- ❖ In-house packing and logistics setup
- ❖ CNC machines, precision drilling equipment, and advanced tooling
- ❖ Sheet metal fabrication: cutting, bending, shaping of various alloys and ferrous metals
- ❖ Facility for building electrical control panel cabinets and enclosures in stainless steel, including IP65-grade heavy-duty enclosures

Human Capital LMI prides itself on a team of young

and skilled professionals, including diploma and degree holders in mechanical and metallurgical engineering. Our team ensures high productivity, quality, and innovation across all levels of production and product development.

- ❖ Compliance & Certifications ISO 9000 certified by TÜV
- ❖ Registered under MSME
- ❖ Employees covered under PF/EPF, gratuity, workmen compensation, and comprehensive insurance

Clientele & Credentials Approved vendor/supplier to premier Indian institutions such as:

- ❖ BARC (Bhabha Atomic Research Centre)
- ❖ BHEL (Bharat Heavy Electricals Limited)
- ❖ Ordnance Factory Group
- ❖ Proven track record in import substitution and indigenous development of critical components

Growth & Development LMI India has demonstrated consistent year-on-year organic growth in:

- ❖ Annual turnover
- ❖ Employment generation
- ❖ Manpower training and upskilling
- ❖ Design and development of new products and prototypes
- ❖ Supporting the Make in India mission through defence-grade indigenous manufacturing



Laser Marking & Coding

LmArk[®] - the permanent mark

LmArk - Laser Marking Machine employing various laser technologies to mark fixed/variable data on various products & substrates.

LmArk offers permanent marking of alphanumerical characters, logos and 1/2 D Bar Codes either in static or in dynamic application.

Both metal and non metal Laser Marking applications are possible owing to selection from wide range of Laser sources such CO₂, UV, Green Light, Fibre Laser and wattages depending upon application & substrate.

Technical Specifications

Model	LmArk [®] F30/50/60/100 D/S
Application Type	Online Marking on both non/metals
Technology	Optical Fibre
Laser Source	Pulsed Fibre Laser
Laser Power	30W/50W/60W/100W
Features	<ul style="list-style-type: none"> - Stable Light Source - High Quality Spot - Uniform Laser Density - Uniform Laser Output - High Speed - Compact Size - Stable Operation - Data Optimisation - Easy Set up - Simplified Operation
Laser Head	Digital Galvanometer Technology
Laser Beam Deflection	Galvanometer Scan

Capabilities

- Stable Light Source • High Quality Spot
- Uniform Laser Density
- Uniform Laser Output • Compact Size
- Stable Operation
- Easy Setup • Simplified Operation

Unique Features

- High Speed Marking
- Air Cooling
- Sturdy & Durable
- Line Speed - Application Dependent
- 100,000 Burning Hours/ Fibre Laser Source
- 50,000 Burning Hours/ CO₂ Laser Source
- 30,000 Burning Hours/ UV laser Source
- High Uptime ➤ Hi Resolution Marking
- Supports Various Code ➤ 100% Scanning of QR/2D/1D Codes
- No Consumables ➤ Fast Payback
- (S)*tatic Marking & (D)**ynamic Marking



Applications





Laser Marking & Coding

LmArk[®] - *the permanent mark*

Model	LmArk® F30/50/60/100 D/S
Laser Source Lifespan/Burning Hr	>100,000 Burning Hours
Laser Beam Expander Wavelength	1064nm
Optical Quality	<1.4M2
Repeat Frequency	≤ 20 - 60 kHz
Marking Speed	≤14000 mm/s
Marking Filed Area	100 x 100 mm / 175x175 mm/200x200 mm
Min. Character Height	0.7 mm
Min. Line Width	0.15 mm - 0.2 mm
Marking Depth	≤0.01 mm & above
Repeat Precision	0.01 mm
Power Supply	≤220V+/- 10%
Power Consumption	1KW
Cooling Mode	Air Cooled
Capable of Marking	Number, Text, Bar Code, QR Code, Time, Serial No., Length
Supported Formats	BMP,PLT,AI,DXF ETC
Bar Code	Yes
HMI	10" Touch Screen
Communication Port	USB/ Serial/Ethernet/PS
Class of Safety Protection	IP 54 / IP65
Laser Safety Level	4
Work Environment	Temperature : 0 - 45°C Humidity : 5% - 95% non condensing water
Supporting Accessories	Product Sensor Foot Switch
Mounting Arrangement	Adjustable Mounting Stand for - Vertical Adjustment 0- 450 mm (Graduated Scale) - Back/Forth Adjustment 0-250mm (Graduated Scale) - Mounting Orientation options 0°,45°,90°,180°
Control System	17" Touch Screen Control System with Graphical Under Interface RAM :8GB ,Storage :500 GB
Main Frame Design	Aluminium Housing of Control Box Laser/Optics
Tools	A Set of tools included in the scope of supply
Language Support	English
System Upgrade	Free Upgrade of Software as & when released
Application	Dynamic for online applications
Dimensions	450 mm x 450 x 1300mm
Weight	80Kg

Stacker Feeder Conveyor

Auto Dispensing of Mono Cartons, Pouches, Bags.....

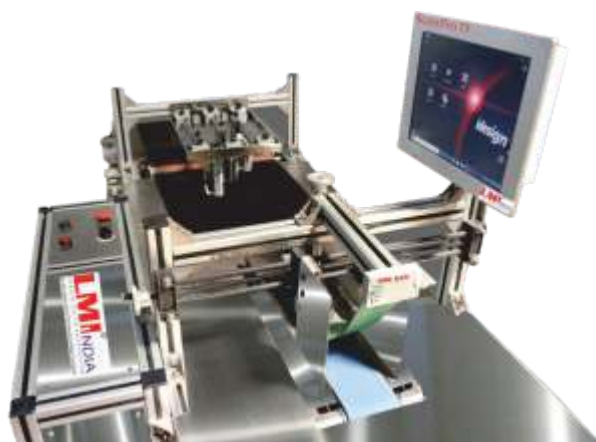
LMI offers customised conveyors - both belt & roller in different configurations such as fixed or of variable speed depending upon the applications / customer specification incorporating marking information.

Technical Specifications

Model	FMC650-312	FMC-650-922
Product Range	80mm ~ 300mm	225mm ~ 550mm
Min. Product Width	80	225
Max. Product Width	300	550
Feed Rate	73 m/min	73 m/min
Product / min	180*	180*
Conveyor Speed	83 m/min	83 m/min
No. of Lines	X	X
GSM	0.15 to 4 mm	0.15 to 4 mm
Printing Area	X	X

*Product Length 280mm *** Without Printing Solutions

** Conveyor Length 2 meter (standard); customised as per Application



FMC 650[®] CJ/TI/TT

Model	Product Range	Min. Product Width	Max. Product Width	Feed Rate	Product /min	Conveyor Speed	Number of Lines	GSM of Product	Printing Area (WXL)
FMC650-312CJ	80mm ~ 300mm	80	300	73 m/min	180 ⁵	83 m/min	Multiple (Upto 5 Lines)	0.15 to 4 mm	8x550/12x550/16x550mm
FMC650-922CJ	225mm ~ 550mm	225	550	73 m/min	180 ⁵	83 m/min	Multiple (Upto 5 Lines)	0.15 to 4 mm	8x550/12x550/16x550mm
FMC650-312TI	80mm ~ 300mm	80	300	73 m/min	180*	83 m/min	Multiple	0.15 to 4 mm	12.5 x 250mm
FMC650-922TI	225mm ~ 550mm	225	550	73 m/min	180*	83 m/min	Multiple	0.15 to 4 mm	12.5 x 250mm
FMC-650-922TT**	80mm ~ 300mm	80	300	18 m/min	70*	22 m/min	Multiple	App. Specific	32X125 /53X125 /107X125 mm
FMC-650-922TT**	225mm ~ 550mm	225	550	18 m/min	70*	22 m/min	Multiple	App. Specific	32X125 /53X125 /107X125 mm

⁵Product Length 280mm *Message size 20x20 mm *Product Length 170 mm ** Application Specific Models - 1. Laminates 2. Carton Boxes

Traverse & Winding

RS NUT



Features

Backlash-free	Low maintenance
Resistant to vibrations	Free-movement lever
Compact design	Good sealing possibilities
Overload protection	Linked nuts for higher side thrust
High-efficiency	Left-and right-hand pitch on the same shaft
Quiet in operation	

RS NUT Types

Model	RS 3-10-4	RS 4-10-4	RS 4-15-4	RS 4-20-4	RS 4-25-4	RS 4-35-4	RS 4-50-3	RS 4-60-3
Shaft Diameter (mm)	10	10	15	20	25	35	50	60
Weight (kg)	0.14	0.18	0.23	0.55	0.10	1.55	2.70	4.20
Maximum Thrust (N)	100	200	260	420	600	900	1300	2000
Torque (Ncm)	1.8	3.0	5.0	10.0	20.0	45.0	140.0	200.0
Pitch (mm)	5.0	5.0	7.5	10.0	12.5	17.5	25.0	30.0

Fast Clamping Mechanism



UC10-UC16



UC20-UC22



EL III-10

EL II-40

U Clip

Model	UC8	UC10	UC12	UC15	UC16	UC20	UC22	UC25	UC30	UC35
Hole Diameter (mm)	8	10	12	15	16	20	22	25	30	35
Tension (N)	200	250	350	350	380	320	320	420	420	420
O-Ring	22 X 1.5	22 X 1.5	22 X 1.5	22 X 1.5	22 X 1.5	27 X 1.5	27 X 1.5	46 X 2.0	46 X 2.0	46 X 2.0

Easy lock – EL-III/II

Model	EL-III-10	EL-III-12	EL-III-15	EL-III-16	EL-III-20	EL-III-22	EL-III-25	EL-III-30	EL-II-35	EL-II-40
Hole Diameter(mm)	10	12	15	16	20	22	25	30	35	40
Tension(N)	400	500	700	800	1000	1000	1800	2800	4000	5000
Weight(kg)	0.23	0.21	0.23	0.26	0.25	0.24	0.72	0.76	2.16	1.60

Traverse & Winding

Traverse Roll Ring Drives



Model /No of Bearings 3	RG 3 15 2MCRF	RG 3 20 2MCRF	RG 3 30 2MCRF	RG 3 40 2MCRF	RG 3 50 0	RG 3 60 0	RG 3 80 0
Shaft Diameter	15	20	30	40	50	60	80
Max. Side Thrust FGR (N)	110	160	260/400	420	700	1,000	1,800
Max Pitch h (mm)	11.4	15.9	26	33	41	49	76

Model /No of Bearings 4	RG 4 15 2MCRF	RG 4 20 2MCRF	RG 4 30 2MCRF	RG 4 40 2MCRF	RG 4 50 0	RG 4 60 0	RG 4 80 0
Shaft Diameter	15	20	30	40	50	60	80
Max. Side Thrust FGR (N)	220	320	520	840	1,400	2,000	3,600
Max Pitch h (mm)	11.4	15.7	26	33	41	49	76

Features			
D	Two-way shaft rotation	R	Rolls on rear of unit
E	Electro-magnetic	R1	Rolls fitted to separate top mounting
H	Control level, double-sided	F	Mechanical
K	Control level, single-sided	P	Pneumatic
M	Instantaneous reversal	B	Self-adjusting end stops
N	Pneumatic	W	Lead screw operated end stops
V	Reversal slowdown	O	Stopping
C	Scale	O1	Pneumatic restart
S	Set screw	O2	Electro-magnetic restart
Z	Worm drive	LZ	Roller style load carrier

Timing Belt Drives



AZ Series

Model	AZ 1010	AZ 2000	AZ 2001	AZ 2004	AZ 2005
Load Capacity(kg)	1-10	1-9	1-50	1-60	1-60
Ideal Torque(Nm)	0.1	0.35	0.35	0.7	0.9
Timing Belt Type	009MR3	015MR3	015MR3	025MR5	030MR8
Width(mm)	9.0	15.0	15.0	25.0	30.0

Your One Stop Source for Specialised Components & Spares



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Our Network: ▶Ahmedabad ▶Bangalore ▶Bhubaneswar ▶Chandigarh ▶Chennai ▶Gurgaon ▶Guwahati
▶Hyderabad ▶Indore ▶Jammu ▶Jamshedpur ▶Jodhpur ▶Kolkata ▶Lucknow ▶Mumbai ▶Pune

WORKS

UNIT I

Khasra No 248, Road No 1, Village Bharthal
Sector 26, Dwarka, New Delhi - 110077

UNIT II

F-132, Sector -9, Phase-III
IMT Bawal, Haryana - 123501