RAMANA STEELS

Engineering the Future of Metal Recycling

Advanced Machines for Scrap Processing and Metal Recycling

COMPANY PROFILE 2026-27



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www.ramanasteels.com

Ramana Machines Gehlewal, Rahon Road
Street Number 10, Krishna Colony,
Ludhiana, Punjab 141007

RAMANA AT GLANCE



2007

YEAR ESTABLISHED

13

COUNTRIES SUPPLIED WITH SHEARING MACHINES

10

MACHINE TYPES IN OUR SCRAP RANGE

6

BRANCHES ACROSS INDIA

OUR BRANCHES:

Ludhiana . Mandi Gobindgarh . Panipat . Bahadurgarh . Ahmedabad . Mumbai . Kolkata

ABOUT US:

CRAFTING STORIES,
BUILDING TRUST

Ramana Machines was established in 2007 and has continued to grow through strong leadership, industry experience. Building on this foundation, we established Ramana Steels in 2019 as part of our parent company, marking an important milestone in our journey.

Today, we continue to strengthen our presence across Indian and international markets by offering a wide range of advanced machinery, including scrap shearing machines, hydraulic scrap balers, double-shaft scrap shredders, scrap magnets, and scrap grabbers. Our focus on dependable solutions, customer satisfaction, and long-term partnerships.

With a team of 150+ dedicated professionals, we bring together valuable expertise, collaborative thinking, and a shared commitment to achieving our goals.

The values of commitment, honesty, discipline, and punctuality guide our work and shape our company culture. We are continually expanding our capabilities and creating sustainable growth in the markets we serve.

OUR JOURNEY:

FROM MACHINERY TO STEEL SOLUTIONS
A JOURNEY OF GROWTH, INNOVATION & TRUST.



2007–2012
Introduced computerized knitting machines.

Strengthening our foundation in textile machinery.



2013–2016
Introduced advanced knitting machines to increase production and efficiency.

Helping our customers grow faster.



2017–2019
Diversified into food grain and home furnishing segment.

Expanding our solutions beyond textiles.



2019–2020
Introduced scrap shearing machines for iron and steel industry.

Moving towards a stronger and sustainable future.



2020–2022
Meeting the pandemic challenges. Launched mask making machines.

Supporting communities with essential solutions.



2022–2023
Introduced first warp knitting jacquard machine, Perforation & Sewing , Fabric Layer Cutting & Quilting Machines

Adding new strength to our product range.



2023–2024
Introduced Bread Crumb, Continuos fryer & Cold Forging Nut & Bolt Machines.

Adding new strength to our product range.



MISSION, VISION & VALUES

What we stand for, and how we work with our customers.

OUR MISSION

Using our outstanding innovative strength, commitment, reliability and credibility to create value for all our stakeholders and customers.

OUR VISION

To be the company that best understands & satisfies customer requirements.

OUR VALUES

Integrity in business, customer focus, commitment to quality, continuous improvement and long-term partnerships.

OUR ACHIEVEMENTS

INNOVATING INDUSTRIES, EMPOWERING PROGRESS

152+
TECHNICIANS

Providing round-the-clock technical support.

11
COUNTRIES

Serving customers across global markets.

180+
ACTIVE PROJECTS IN HAND

Delivering quality with commitment.

PRODUCT RANGE

OUR MACHINES

One supplier for your complete scrap yard, from handling to shredding.

METAL MAKING

ELECTRIC ARC FURNACE

0.5 - 350 t



METAL MAKING

CONTINUOUS CASTING MACHINE

150*150 to Φ600 mm



BALERS & SHEARS

VERTICAL SCRAP SHEAR

630- 1000 T



BALERS & SHEARS

CONTAINER SHEAR

10,000 kN



SCRAP HANDLING

SCRAP MAGNET & GRABBER

1650- 2400 mm magnet · 0.5 - 3.5 m3 grabber



SHREDDING & SORTING

DOUBLE SHAFT SHREDDER

RD-1500 to RD-2000



SHREDDING & SORTING

PSX SCRAP SHREDDER

With eddy current sorter



BALERS & SHEARS

SCRAP BALER

1,600 kN . 200 T - 315 T models



SCRAP HANDLING

EXCAVATORS

Fixed boom and movable



SCRAP PROCESSING SERIES

ELECTRIC ARC FURNACE

Complete EAF system for steel making: furnace body, cover, tilting device, electrode lifting, hydraulic unit, transformer, busbar and PLC automation.



TYPES:

Electric Arc Furnaces (EAFs) are available in AC and DC models, with capacities ranging from 0.5 to 350 tons. They feature advanced tilting, electrode lifting, cooling, and automation systems, with various structural designs and power options to meet diverse steelmaking requirements.

FUNCTIONS:

- Suitable for scrap melting, steel refining, and heating of carbon steel, alloy steel, and stainless steel.
- Partial hot loading of molten iron or addition of pig iron, sponge iron (DRI), and hot pressed iron blocks (HBI).
- Furnace feeding and post furnace primary alloying.
- Suitable for smelting ferroalloys, rare and precious metals, producing special alloys, and recovering valuable materials from slag.

KEY ADVANTAGES:

01 High-Current System:

- Adopts specialized new power-saving furnace transformer from top domestic brands.
- Large-section water cooled cable.
- Copper-steel composite/aluminum-magnesium alloy conductive cross arm.
- Customized seamless alloy pipe for water-cooled furnace cover manufacturing, increasing the life-span of the furnace cover up to more than 10,000 smelting cycle.
- Chromium zirconium copper forgings for conductive clamps, high-quality of conductivity and long service life.

02 High-Current System

- Easy and intuitive operation, user-friendly human-machine interface.
- Swift action of electrode lifting in the regulating range, make sure that the electrodes can response
- sensitively during smelting process.
- Continuous adjustable non-sensitive area, the range of the area can be regulated anytime according to the furnace condition.
- Short response time, high regulating accuracy.
- Quick arc stabilization, accurate current regulation, less impact to power grid.
- Adopts PLC photoelectric isolation control technology, with strong anti-electromagnetic interference ability, coupled with modular design, stable and reliable operation, extremely low failure rate, and energy-saving.
- Adopts PLC programming for complex calculations, 3-phase power, current, voltage balance control, etc., convenient program data adjustment, simple operation, and easy maintenance.
- High-level of digital automation, comprehensive data management, reserved communication interface for communication with the host computer, achieving informationized production management.









TECHNICAL SPECIFICATION:

TYPE	Furnace inner dia. (mm)	Capacity (t) Rate / Max	Transformer (MVA)		Electrode Distribution Circle Dia. (mm)	Electrode dia. (mm)
			Capacity (MVA)	Secondary Voltage(V)		
EAF-20	4000/4200	20/25	12.5	0.63	150	150
EAF-30	4600	30/45	25	2.2	250	250
EAF-40	4800	40/60	32	3.2/4.0	300	300
EAF-50	5000	50/65	32/40	6.3	350	350
EAF-60	5200	60/75	36/50	12.5	400	400
EAF-70	5600	70/95	50/60	32	450	450
EAF-80	6100	80/100	56/64	36/50	500	500
EAF-100	6200	100/120	60 80	800~400 920~480	1250 1350	550 600

Remark: Parameters can be adjusted according to different process requirements. Full model range from EAF-0.5 to EAF-130 available on request.

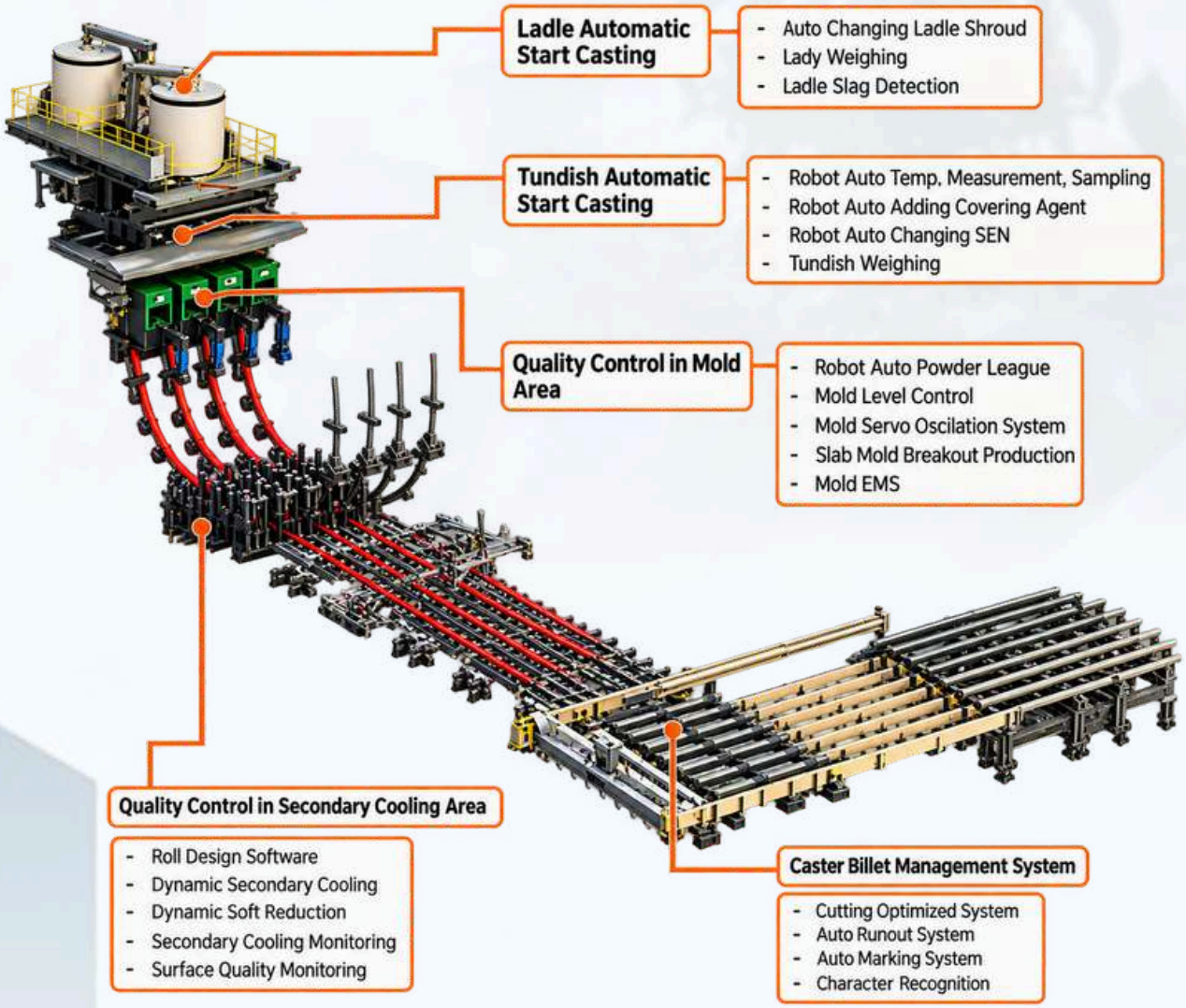
SCRAP PROCESSING SERIES

CONTINUOUS CASTING SYSTEM

Fully verified continuous casting equipment for billet, slab and special-shaped sections: full arc, straight arc, vertical and other caster types, delivered as turnkey projects.



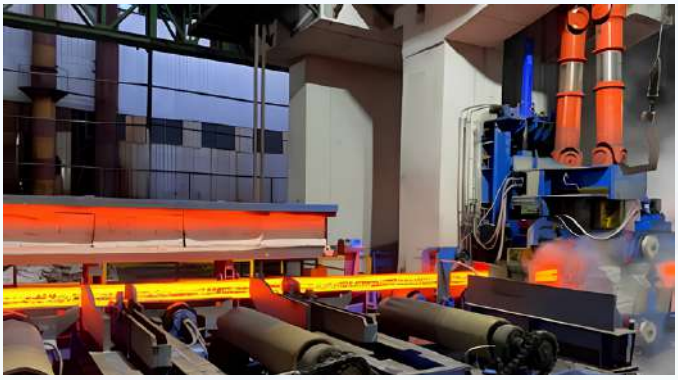
MAILAB Intelligent Continuous Casting Platform Technology - Water Cooling Model + Quality Tracking + Simulation + Default Determination + Big Data Analysis



TYPES:

01 Billet Caster

Produces billets for long steel products such as bars and rods.



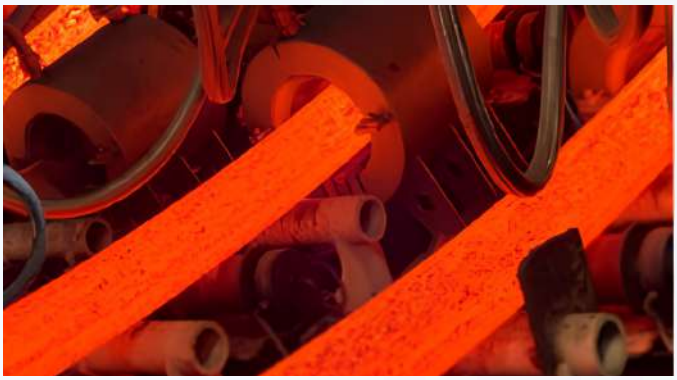
02 Bloom Caster

Produces blooms for structural steel, beams, and rails.



03 Round Caster

Produces round billets for pipes, tubes, and other round steel products.



04 Slab Caster

Produces slabs for rolling into steel sheets, plates, and coils.



SCRAP PROCESSING SERIES

VERTICAL HEAVY DUTY SCRAP SHEAR

Robust hydraulic shear for large volumes of scrap, with integrated mechanical, electrical and hydraulic control.



APPLICATIONS:

Robust, powerful machine for processing large volumes of scrap in waste management and recycling operations. Built to withstand continuous use and known for durability and reliability.

FEATURES:

01 Sub-section feeding mode and wide, large material box for good adaptability to scrap and high scrap density after shearing.

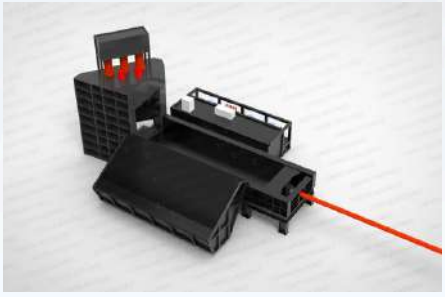
02 Integrated mechanical, electrical and hydraulic control, easy to learn and operate.

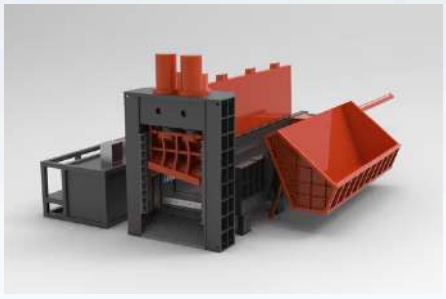
03 Imported PLC control with high reliability and simple maintenance.

04 All moving parts hydraulically driven: stable operation, large shear force and high efficiency.

MACHINE IN ACTION:







TECHNICAL SPECIFICATION:

MODEL	Max cutting force (T)	Blade width (mm)	Workbin L x B (mm)	Motor (kW)
Q91Y-630T	630	1800	7000 x 1700	45 x 3
Q91Y-800T	800	2000	8000 x 1900	45 x 4
Q91Y-1000T	1000	2000	8000 x 1900	45 x 5
Q91Y-1250T	1250	2000	8000 x 1900	45 x 6

SCRAP PROCESSING SERIES

HORIZONTAL AUTOMATIC CONTAINER SHEAR

Hydraulic-driven, PLC-controlled shearing of light and thin materials, metal structures and domestic scrap.



APPLICATIONS:

Shearing all kinds of light and thin materials, metal structures and domestic scrap.

FEATURES:

01 Hydraulic drive with PLC automatic control operation

02 AC chiller / water cooling

03 Cutting range 2mm - 4" (according to models)

04 Remote control and panel operated

05 Improves furnace efficiency, easy to feed furnace

06 Convenient installation with a flat foundation

MACHINE IN ACTION:











TECHNICAL SPECIFICATION:

MODEL	Press box width (mm)	Cut piece length (mm)	Capacity (T/H)	Cutting force (KN)	Power
CS-630	1400/1600	400	9-14	6300	55 kW × 2
CS-800	1600	400	15-22	8000	55 kW × 3
CS-1000	1600	400	23-25	10000	55 kW × 4

SCRAP PROCESSING SERIES

DOUBLE SHAFT SHREDDER

Powerful industrial shredder that breaks bulky plastic, wood, rubber and metal into smaller pieces for further processing or disposal.



APPLICATIONS:

Two parallel shafts with interlocking cutting disks rotate in opposite directions to shred bulky items efficiently. Widely used in recycling facilities, manufacturing plants and waste management centers to reduce the size of waste materials.

FEATURES:

01 Automatic star-delta start connection.

02 Automatic overload protection: machine stops and reverses automatically.

03 Cabinet controller switches off automatically on leakage or power cut.

MACHINE IN ACTION:





TECHNICAL SPECIFICATION:

MODEL	Reducer type	Body size (mm)	Production (T/H)	Motor (kW)
RD-1400	ZSY450	4600 x 2300 x 2600	5 – 6	75 x 2
RD-2000	ZSY560	6020 x 2250 x 3300	10 – 13	110 x 2
RD-2200	ZSY630	6200 x 2600 x 2800	14 - 16	132 x 2

SCRAP PROCESSING SERIES

PSX SCRAP SHREDDER LINE

Scrap crushing system for scrapped cars, scrapped appliances and crushed thin and light materials. Delivers high-density, high-purity material for steel mills and resmelting, with low energy consumption and high output.



SYSTEM MODULES:



CHAIN CONVEYOR

Chain conveyor suitable for material handling in special work environments. Such as high temperature impact and wear and tear other harsh working conditions. welding wipe prevents material bumping and sprockets.Reducing wear and tear on conveyor



MAGNETIC SORTING SYSTEM

Magnetic separator used to separate iron and scrap materials. The equipment can effectively recover the steel material.

EDDY CURRENT SORTER:



Separates iron from non-ferrous metals such as copper and aluminum, with good sorting results.

01 Material passes over the permanent magnetic roller, which creates a high-frequency alternating magnetic field.

02 Non-ferrous metals in the strong field develop an induced eddy current.

03 The opposing fields repel them, throwing non-ferrous metals forward and away from the iron.

MODELS:

MODEL	Volatge	Power	Capacity	Accessory Equipment	
PSJ-140	415V	132	2 - 3		
PSJ-200	415V	200	3 - 5		
PSJ-280	415V	280	4 - 7		
PSJ-315	415V	315	5- 7	infeed Conveyor	1 PCS
PSJ-450	415V	450	8- 12	Outfeed Conveyor	1 PCS
PSJ-630	415V	630	10 - 15	Iron Conveyor	1 PCS
PSJ-700	415V	750	12 - 17	National impurity Conveyor	1 PCS
PSJ-800	415V	800	15 - 20	Magnetic Seperation System	1 PCS
PSJ-900	415V	900	20 - 30	Dust Removal System	1 PCS
1500	415V	1200	25 - 40	Intelligent Visual System	1 PCS
2000	10V	1500	50 -60	Hold to Tie	1 PCS
3000	10V	2250	60 - 80		
4000	10V	3000	80 - 100		
6000	10V	4420	100 - 160		
8000	10V	6000	160 - 200		
10000	10V	7500	200 - 260		





SCRAP PROCESSING SERIES

CONTINUOUS METAL BALER PRESS

Heavy-duty hydraulic baler that compresses loose metal scrap into high-density bales for storage, transport, handling and furnace charging.



KEY FEATURES:

01 1,600 kN hydraulic cylinder force for powerful scrap compaction

02 Automatic PLC control with remote operation

03 High-density bales with density of 2,300 kg/m3 or more

04 High output of about 60 - 70 bales per hour

05 Heavy-duty Hardox 500 wear plates in the high-pressure chamber

06 Integrated cooling system for hydraulic temperature management

07 Suits ferrous and non-ferrous scrap: steel, stainless steel, copper and aluminium

08 Optional feed conveyor and weighing scale

IDEAL FOR: Steel plants | Foundries | Metal recycling companies | Scrap yards | Manufacturing units

TECHNICAL SPECIFICATION:

MODEL	Main Force	Press Bale Size	Bale Size	Motor
SX-160	160	2300 x 1000 x 800	300 x 300 ~ 600	37 x 2 = 74kW
SX-315	315	3000 x 1300 x 1200	500 x 500 ~1000	55 x 2 = 110kW







SCRAP PROCESSING SERIES

HYDRAULIC SCRAP BALER

Heavy-duty machine that compresses scrap metal, paper and plastic into dense, manageable bales using hydraulic pressure.



APPLICATIONS:

Used in recycling facilities and manufacturing plants to reduce the volume of waste materials for easier storage, transportation and recycling. Known for high efficiency and low maintenance.

FEATURES:

01 Hydraulic drive with PLC control operation

02 Bale discharging: auto turn-out, push-out, forward-out or manual

03 Options for different force, press box size, bale shape and size

04 Powered by electrical motor, diesel engine or generator

TECHNICAL SPECIFICATION:

MODEL	Main cyl. force (T)	Press box size (mm)	Bale size (mm)	Motor (kW)
250T	250	2500 x 2000x 1200	500×500/600×600	37 x 2
315T	315	3000 x 2500 x 1200 3500 x 3000 x 1200	600×600/700×700	45 x 2
400T	400	3500 x 3000 x 1200	600 x600 / 700 x 700	45 x 3
630T	630	3500 x 1300 x 1300	700 x 700	45 x 3
800T	800	3500 x 3000 x 1400	700 x 700	55 x 5





SCRAP PROCESSING SERIES

SCRAP MAGNET & GRABBER

Lifting attachments for cranes and excavators in scrap handling.



SCRAP MAGNET

Specialized electromagnet that picks up and transports ferrous materials such as iron and steel. Mounted on a crane, excavator or other heavy machinery and controlled by the operator to lift and move scrap selectively. Available in various sizes and strengths, some lifting several tons at once.

Make	Ramana
Magnet diameter	1650 mm – 2400 mm
Power consumption	22 kW – 30 kW
Winding	Aluminium /Copper wire

SCRAP GRABBER

Hydraulic attachment for heavy machinery that picks up and transports large amounts of scrap metal. Attached to a crane, excavator or other heavy equipment and operated by its hydraulic system. Four or six arms open and close to pick up the scrap.

Volumetric capacity	0.5 to 3.5 m³
No. of jaws	4 or 6
Scrap density handled	1500 kg to 5 ton
Control	On operator panel



SCRAP PROCESSING SERIES

SCRAP HANDLING EXCAVATORS

Fixed boom and movable models for feeding scrap to shear machines.



FIXED BOOM EXCAVATOR:

Used in steel factories to feed scrap shear machines beneath a cover shed. Rotates 360 degrees clockwise, needs little maintenance, and can feed more scrap to the machine in a shorter time than covered-shed E.O.T cranes.

- Ideal for feeding scrap shear machines under covered sheds.
- Rotates 360° for efficient scrap handling and positioning.
- Handles heavy scrap loads with a powerful hydraulic grapple.
- Requires less maintenance with reliable, efficient operation.
- Enables faster and smoother scrap feeding for improved productivity.

MOVABLE EXCAVATOR:

Heavy-duty tracked machine for loading large amounts of scrap metal and other materials. A long arm fitted with a grapple or claw picks up and moves heavy objects with ease, powered by strong hydraulics.

- Handles scrap in open yards as well as under cover sheds.
- Well suited to feeding container shear machines continuously for better efficiency.
- Modified electric version consumes less electricity than a diesel machine.



MARKETING STRENGTHS

Strong market presence built on trusted relationships, industry expertise, and strategic reach.
Connecting quality steel solutions with customers and opportunities across diverse markets.

SOLUTIONS PROVISION

Provide best solutions as per their requirements.

AFTER SALES SERVICE

Suggest method for pro active after sales service.

CUSTOMER RELATIONS

Build relationship with esteemed customers.



TREND SUGGESTION

We suggest the customer what the upcoming trends are in apparel & textile industry.

REQUIREMENT ANALYSIS

To find the requirement of various customers.

GLOBAL PRESENCE

20+
YEARS EXPERIENCE

20
COUNTRIES SERVED

3
MACHINE LINES



CONNECTING MARKETS WORLDWIDE

Dubai	Sri Lanka
Ghana	Saudi Arabia
Nigeria	Mozambique
Bangladesh	Uganda
Nepal	Kuwait
Bhutan	

OUR PRESENCE AT EXHIBITIONS

Our presence at industry exhibitions is more than participation—it is a statement of innovation, quality, and leadership. Every exhibition stand reflects the strength of the Ramana Machines brand, where our experienced team welcomes a large number of visitors, shares technical expertise, demonstrates advanced solutions, and creates valuable partnerships that drive future growth.






RAMANA
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TEAM EVENTS & CORPORATE GATHERINGS

Celebrating the spirit of team work through memorable corporate events, engaging team gatherings, and special award ceremonies that recognize excellence, appreciate dedication, and honour the people whose passion and performance shape our continued success.
















Park Plaza





CELEBRATIONS & FESTIVITIES

From festive occasions to organizational milestones, every celebration reflects the values, unity, and spirit that define Ramana Machines

At Ramana Machines, every celebration is more than an occasion—it is a reflection of our culture, values, and the strong bonds we share. Whether celebrating festivals, organizational milestones, or remarkable achievements, these moments bring our people together, inspire a sense of belonging, and reinforce unity, passion, and excellence that drive our continued success.






厦门睿纳机械有限公司
Xiamen Roma Machinery Co.,Ltd.








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OUR BRANCHES:

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