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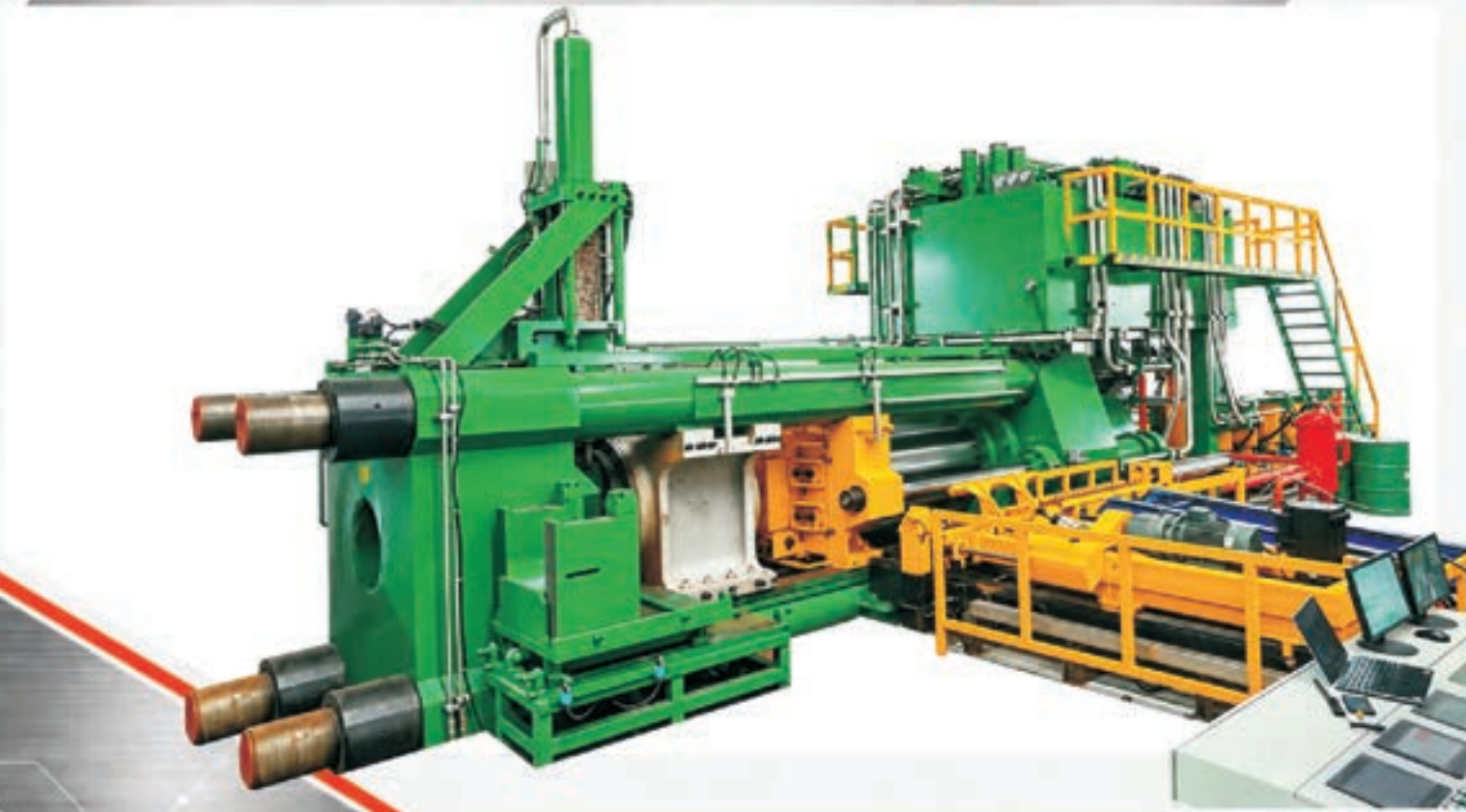
ENERGY CONTROL SYSTEM

Aluminium Extrusion Machinery & Industrial Automation

ALUMINIUM EXTRUSION PRESS & COMPLETE PRODUCTION LINE

600T–12500T EXTRUSION PRESSES

TURNKEY ENGINEERING • AUTOMATION • INSTALLATION • COMMISSIONING



ENGINEERED FOR PERFORMANCE.
DELIVERED WITH PRECISION.

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ENERGY CONTROL SYSTEM

Aluminium Extrusion Machinery & Industrial Automation

COMPLETE SOLUTIONS FOR ALUMINIUM EXTRUSION INDUSTRY

EXPERTISE | QUALITY | RELIABILITY
COMMITMENT | SUPPORT

WE DELIVER END-TO-END SOLUTIONS

from concept to commissioning

PLANT DESIGN › SUPPLY & INSTALLATION › ERECTION & COMMISSIONING › COMMISSIONING & SUPPORT

FOUNDER SAYS



"Our growth is built on trust, teamwork, technology, and a commitment to deliver excellence.

We believe that true growth is measured by the relationships we build, the challenges we overcome, and the value we create for our customers.

Aman Maan

Founder
Energy Control System

OUR GROWTH

From consultancy and engineering services to complete turnkey solutions, we are continuously expanding our capabilities and strengthening our presence in the extrusion industry.

OUR TEAMWORK

Behind every successful installation is a dedicated team working together. We believe in teamwork, knowledge sharing, responsibility, and continuous improvement.

OUR PROFESSIONAL LEVEL

We operate at international professional standards with a focus on precision, reliability, safety, and efficiency. Our successful execution of complex projects reflects our growing expertise and commitment.

OUR DEALINGS

We believe in transparent communication, honest commitments, professional dealings and dependable after-sales support. We build long-term partnerships, not just business.

OUR STRATEGY

Understand the customer. Engineer the right solution. Execute with precision. Support for the long term. Continuously improve. This is our strategy for sustainable growth and customer success.

OUR CORE SERVICES & CAPABILITIES

01 EXTRUSION MACHINERY & CONSULTANCY



Plant layout design, extrusion press, equipment & furnaces sales, installation, commissioning, and dedicated after-sales support.

02 INDUSTRIAL AUTOMATION



Advanced PLC, HMI, and SCADA programming using top-tier global hardware and software platforms.

03 DRIVE & MOTION SYSTEMS



High-precision AC Drives, Motor Controls, and Servo Motion integration for complex industrial processes.

04 MECHANICAL & HYDRAULIC ENGINEERING



AutoCAD drafting, hydraulic system integration, and complete mechanical erection.

OUR GROWTH IN NUMBERS

400+	250+	10+	100%
Projects Executed	Happy Clients	Countries Served	Commitment to Quality & Safety

WHY CHOOSE US?

- End-to-End Turnkey Solutions
- Experienced & Expert Team
- Global Quality Standards
- Timely Delivery & Support
- Maximum Efficiency
- Minimum Downtime

COMPLETE EXTRUSION PRESS SOLUTIONS

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ALUMINIUM PROFILE PRODUCTION LINE

COMPLETE TURNKEY SOLUTIONS FROM BILLET TO FINISHED PROFILE

ENGINEERED FOR PERFORMANCE. DELIVERED WITH PRECISION.

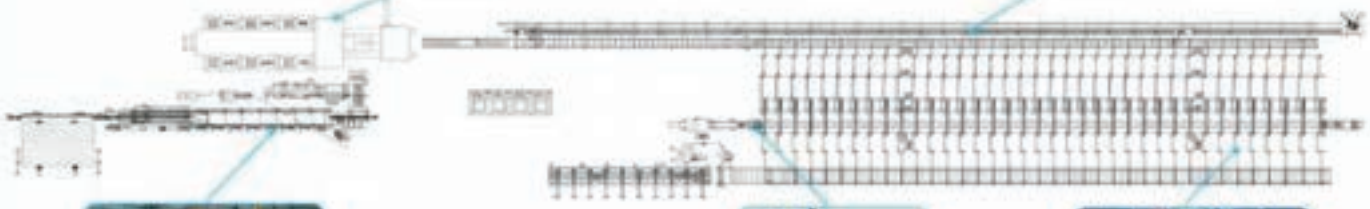




Aluminium Extrusion Press



Traction Machine





Aluminium Rod Heating Furnace



Straightening Machine



Cooling Bed

COMPLETE LINE CAPABILITIES

- Billet Heating & Handling
- Aluminium Extrusion
- Profile Pulling & Traction
- Stretching & Straightening
- Cooling, Handling & Finishing

TURNKEY ENGINEERING | **PRECISION AUTOMATION** | **RELIABLE PERFORMANCE**

COMPLETE EXTRUSION PRESS SOLUTIONS

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Aluminium Extrusion Machinery & Industrial Automation

1000T ALUMINIUM EXTRUSION PRESS

ENGINEERED FOR PERFORMANCE. DELIVERED WITH PRECISION.





Extruded Bar & Movable Beam



Oil Pump & Motors



Shear

PRODUCT ADVANTAGES

- Mature Design & High Stability
- Easy Operation & Maintenance
- High-Accuracy 6-Position Guidance
- Precision Shearing & Automatic Separation
- Uniform Four-Cylinder Clamping Force

HIGH STABILITY | **PRECISION CONTROL** | **RELIABLE PERFORMANCE**

COMPLETE EXTRUSION PRESS SOLUTIONS

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Aluminium Extrusion Machinery & Industrial Automation

2000T SHORT STROKE ALUMINIUM EXTRUSION PRESS

ENGINEERED FOR PERFORMANCE. DELIVERED WITH PRECISION.





Translational Manipulator



Vertical Oil Pump & Motor Unit



Mobile Extrusion Base

PRODUCT ADVANTAGES

- Short-Stroke Design for Higher Productivity
- Fast & Accurate Servo Billet Feeding
- Uniform Four-Cylinder Clamping Force
- High-Precision 6-Position Guidance
- Precision Shearing & Automatic Separation
- Safer Operation with Reduced Labour Intensity

HIGH PRODUCTIVITY | **PRECISION CONTROL** | **RELIABLE PERFORMANCE**

COMPLETE EXTRUSION PRESS SOLUTIONS

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Aluminium Extrusion Machinery & Industrial Automation

4000T ALUMINIUM EXTRUSION PRESS

ENGINEERED FOR PERFORMANCE. DELIVERED WITH PRECISION.





Front Platen



Container Housing



Motor Unit

PRODUCT ADVANTAGES

- High-Performance Heavy-Duty Design
- Fast & Accurate Servo Billet Feeding
- Uniform Four-Cylinder Clamping Force
- High-Precision 6-Position Guidance
- Precision Shearing & Automatic Separation
- Safe Operation with Reduced Labour Intensity

HEAVY-DUTY POWER | **PRECISION CONTROL** | **RELIABLE PERFORMANCE**

COMPLETE EXTRUSION PRESS SOLUTIONS

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Aluminium Extrusion Machinery & Industrial Automation

5500T SHORT STROKE ALUMINIUM EXTRUSION PRESS

ENGINEERED FOR PERFORMANCE. DELIVERED WITH PRECISION.





Mobile Squeeze Bar Parts



Oil Way Block



Operation Control Platform

PRODUCT ADVANTAGES

- Short-Stroke Design for Higher Productivity
- Fast & Accurate Servo Billet Feeding
- Uniform Four-Cylinder Clamping Force
- High-Precision 6-Position Guidance
- Precision Shearing & Automatic Separation
- Safe Operation with Reduced Labour Intensity

HEAVY-DUTY POWER | **PRECISION CONTROL** | **RELIABLE PERFORMANCE**

COMPLETE EXTRUSION PRESS SOLUTIONS

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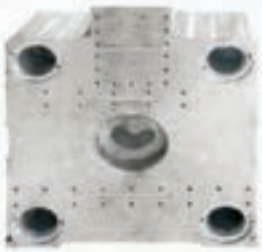
Aluminium Extrusion Machinery & Industrial Automation

ALUMINIUM EXTRUSION PRESS & SPARE COMPONENTS

ENGINEERED FOR PERFORMANCE. DELIVERED WITH PRECISION.

600T – 12500T EXTRUSION PRESSES

Complete Machinery • Precision Components
Automation • Technical Support



Front Platen



Back Platen



Main Cylinder



Main Ram



Main Cylinder Copper Ring



Tie Rod



Crosshead



Container Housing



Container



Stem



Dummy Block



Centre Rod of Stem

COMPLETE PRESS SOLUTIONS

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ENERGY CONTROL SYSTEM

Aluminium Extrusion Machinery & Industrial Automation

TECHNICAL PARAMETERS OF ALUMINIUM EXTRUSION PRESSES

Extruder Model	Total Power (kW)	Aluminium Bar Specification (mm)	Outlet Size (mm)	Die Base Size (mm)	Press Type
630T (700UST)	90	⌀90 × 550	⌀125 × 150	⌀200 × 210	Conventional Model
700T (770UST)	110	⌀100 × 600	⌀130 × 160	⌀220 × 210	Conventional Model
1000T (1100UST)	165	⌀120 × 650	⌀160 × 190	⌀250 × 240	Conventional Model
1400T (1550UST)	260	⌀150 × 800	⌀200 × 240	⌀330 × 320	Conventional Model
1500T (1650UST)	320	⌀150 × 900	⌀210 × 250	⌀350 × 350	Short Stroke Model
1800T (2000UST)	410	⌀178 × 1000	⌀240 × 280	⌀380 × 380	Short Stroke Model
2000T (2200UST)	500	⌀203 × 1100	⌀260 × 320	⌀400 × 400	Short Stroke Model
2500T (2750UST)	580	⌀228 × 1200	⌀300 × 360	⌀500 × 480	Short Stroke Model
2750T (2750UST)	620	⌀254 × 1250	⌀330 × 400	⌀520 × 500	Short Stroke Model
3000T (3300UST)	730	⌀280 × 1300	⌀360 × 440	⌀560 × 540	Short Stroke Model
3600T (4000UST)	880	⌀305 × 1350	⌀400 × 480	⌀620 × 600	Short Stroke Model
4000T (4400UST)	1000	⌀330 × 1400	⌀430 × 520	⌀680 × 660	Short Stroke Model
4800T (5300UST)	1200	⌀355 × 1500	⌀460 × 560	⌀720 × 700	Short Stroke Model
5500T (6000UST)	1350	⌀380 × 1600	⌀500 × 600	⌀780 × 760	Short Stroke Model
6500T (7150UST)	1580	⌀405 × 1700	⌀530 × 640	⌀820 × 800	Short Stroke Model
7500T (8250UST)	1900	⌀430 × 1800	⌀560 × 680	⌀880 × 860	Short Stroke Model

PRESS RANGE: 630T–7500T

ENGINEERED FOR PERFORMANCE. DELIVERED WITH PRECISION.

Note: Parameters are for reference only and may be optimized according to actual project requirements.

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Aluminium Extrusion Machinery & Industrial Automation

COMPLETE SOLUTIONS FOR ALUMINIUM EXTRUSION PLANTS

QUALITY ASSURANCE | STABLE OPERATION | PRECISION MACHINING

MULTI LOG BILLET FURNACE (TRANSLATIONAL TYPE)



- Efficient heating
- Uniform temperature
- Energy saving

MULTI LOG BILLET FURNACE (ROTARY TYPE)



- Rotary design
- High productivity
- Low maintenance

SINGLE LONG BILLET FURNACE



- Long billet heating
- Consistent quality
- Cost effective

ON LINE HOT PEELING MACHINE



- High precision peeling
- Smooth surface finish
- Easy maintenance

ON-LINE QUENCHING



- Rapid cooling
- Uniform quenching
- Enhanced strength

FULL SERVO PURE ELECTRIC THREE HEAD TRACTOR



- Full servo control
- High accuracy
- Energy efficient
- Maximum productivity

ALUMINIUM PROFILE PRODUCTION LINE

- Complete extrusion solution
- High efficiency
- Superior quality
- Advanced automation



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COMPLETE SOLUTIONS FOR ALUMINIUM EXTRUSION PLANTS

QUALITY ASSURANCE | STABLE OPERATION | PRECISION MACHINING

MOLD HEATING FURNACE



- Uniform & efficient heating
- Precise temperature control
- Enhanced mold life

ALUMINIUM PROFILE AGING FURNACE



- Consistent aging performance
- Energy efficient operation
- Improves strength & durability

ALUMINIUM SIZING



- Automatic length measuring
- High accuracy & speed
- Reliable & easy to operate

FULL SERVO THREE HEAD TRACTOR



- Full servo control for precision
- High accuracy & stability
- Enhanced productivity

ALUMINIUM SCRAP RECYCLING SYSTEM



- Efficient scrap recycling
- Dust collection system
- Cost saving & eco-friendly

ALUMINIUM PROFILE STRAIGHTENER (JAW WITH LIFTING)



- High precision straightening
- Jaw with lifting arrangement
- Improves profile quality

ALUMINIUM PROFILE PRODUCTION LINE

- Complete extrusion solution
- High efficiency & automation
- Superior quality output
- Customized as per requirement



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ALUMINIUM REGENERATIVE FURNACE

ENGINEERED FOR PERFORMANCE. DELIVERED WITH PRECISION.

ENERGY-EFFICIENT FURNACE SOLUTIONS

Engineering • Installation • Commissioning • Technical Support



Dual-Chamber Furnace



High-Efficiency Combustion



Regenerative Furnace Line

COMPLETE FURNACE SOLUTIONS

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ALUMINIUM BILLET
HOTTOP CASTING MACHINE

ENGINEERED FOR PERFORMANCE. DELIVERED WITH PRECISION.

ENERGY-EFFICIENT EQUIPMENT SOLUTIONS

Engineering • Installation
Commissioning • Technical Support











COMPLETE EQUIPMENT SOLUTIONS

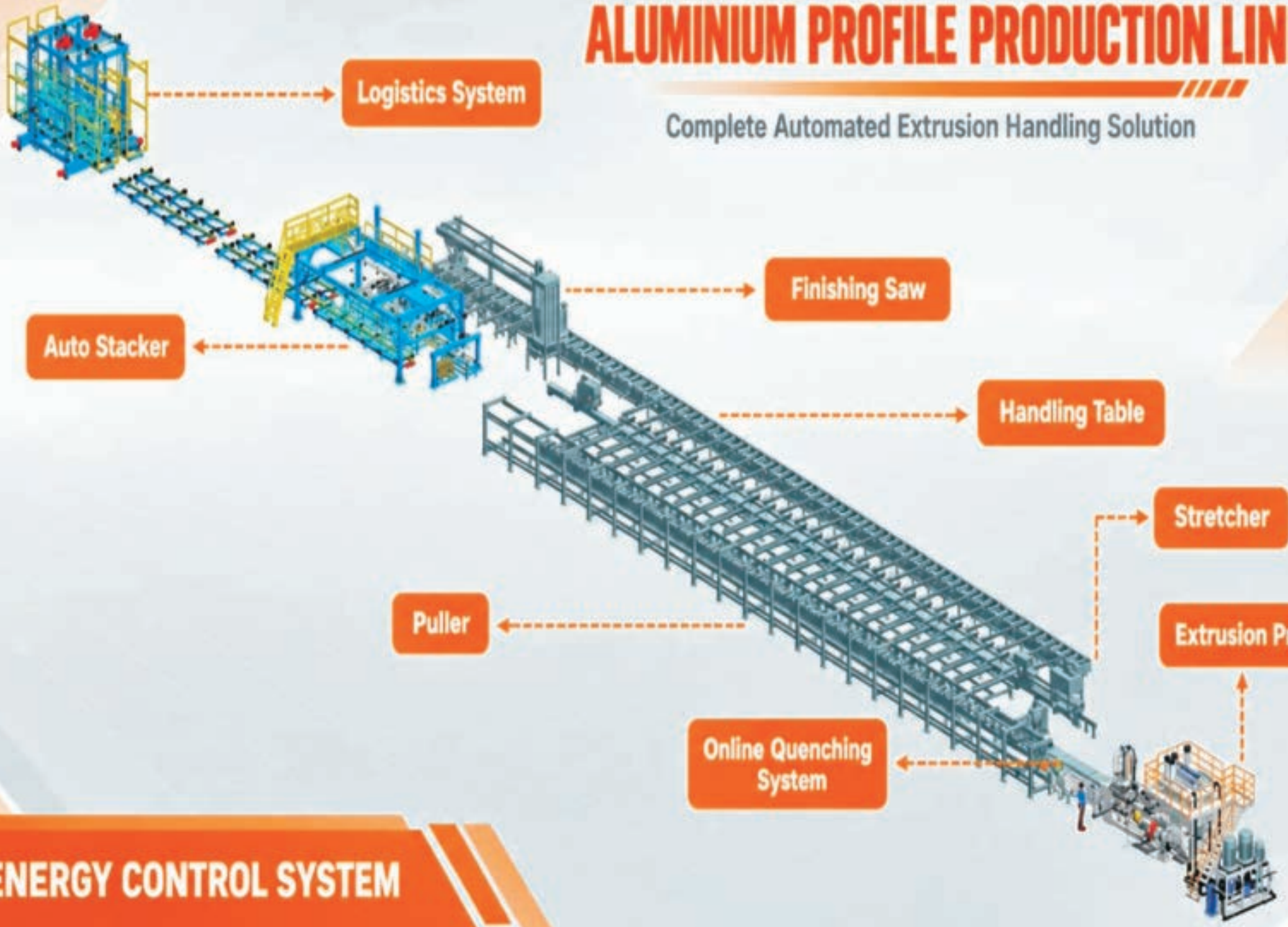
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ALUMINIUM PROFILE PRODUCTION LINE

Complete Automated Extrusion Handling Solution



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INDIA-WIDE & WORLDWIDE PROJECT PRESENCE

Aluminium Extrusion Machinery • Industrial Automation • Turnkey Engineering



GLOBAL PROJECT PRESENCE



- ERECTION & COMMISSIONING
- PLANT ENGINEERING
- MACHINERY & FURNACE SOLUTIONS

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LET'S BUILD THE FUTURE OF ALUMINIUM EXTRUSION—TOGETHER.

SALES & CORPORATE OFFICE
Mu No. 204, Killa No. 22, Assandh–Panipat Road,
Salwan, Assandh, Karnal – 132046, Haryana, India

info@energycontrolsystem.co.in

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