UNISEVEN ENGINEERING & INFRASTRUCTURE PVT LTD

SERVING THE ALUMINIUM VALUE CHAIN

www.uniseven.in

ALUMINIUM EXTRUSION

UNISEVEN ENGINEERING & INFRASTRUCTURE PVT LTD

A part of **Jiwanram Sheoduttrai (JS)** group with a heritage over 124 year old**. Uniseven** is serving the global aluminium Industry for last five decades.

We are an ISO 9001:2015 certified company, delivering various high tech products to our customers.

Our Expertise:

Industrial Marketing: Providing sustainable and economical solutions to our clients.

Manufacturing: Manufacturing of collector bars, hydraulics power packs, and refractories.

Engineering, Procurement & Construction (EPC): Executing high-end engineering projects in challenging environments.



OUR VALUES



EXCELLENCE



TRUST



SUSTAINABILITY



EQUITY



INNOVATION

SERVICES



Market Research

Updated with New technologies and find the best economically viable solution



Marketing & Sales

Promoting the environmentally sustainable products



Engineering Support

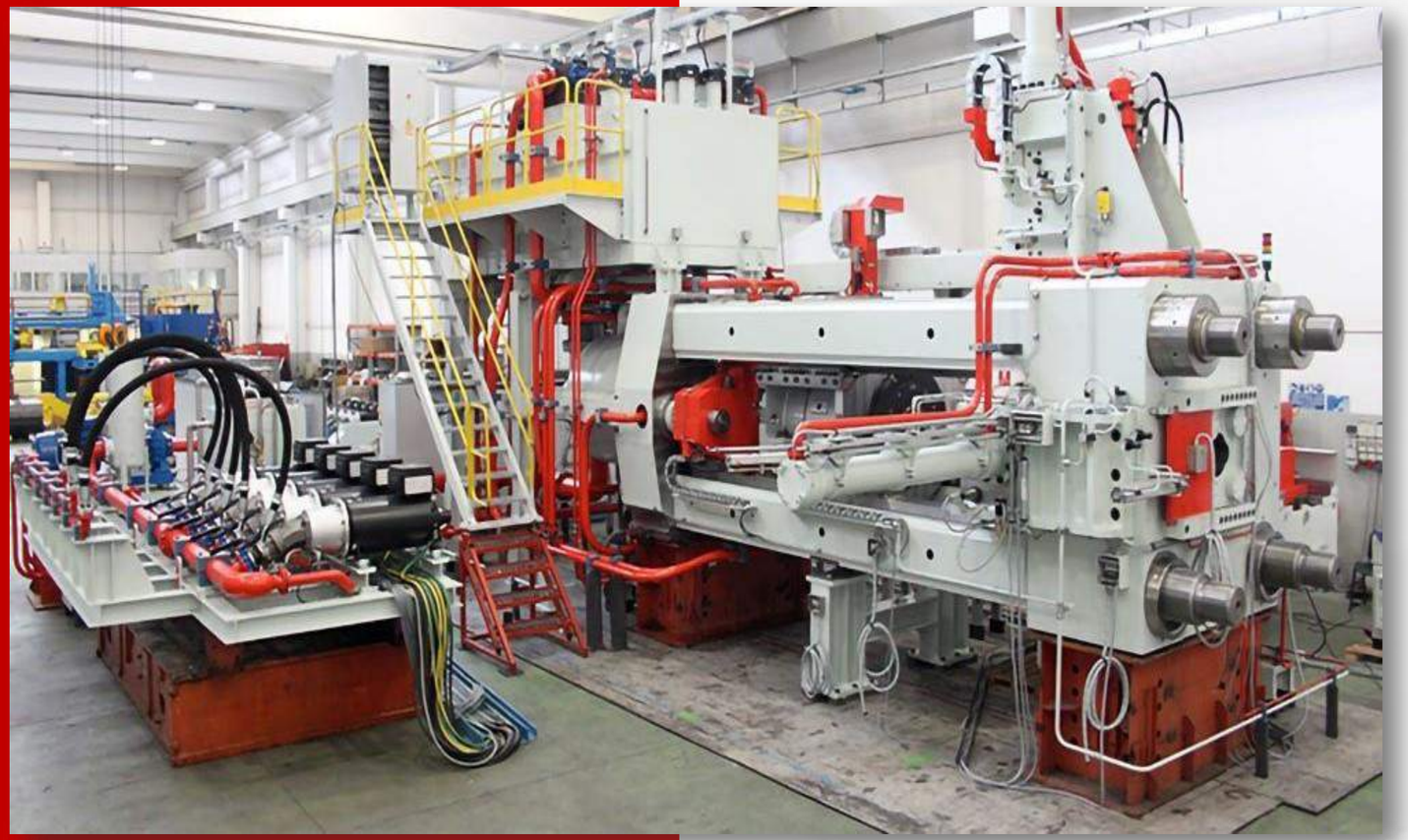
Supporting our customer to choose and install the equipment to achieve the requirement. Our EPC team are capable of complete execution of the project

COMPLETE EXTRUSION LINE

We have collaborated with our International partners and supplying aluminiun extrusion press with upgrades like servo manupulator, electric quick die changing to Indian and global market.

With the growing market demand, we are supporting our partners with

- Single & Multiple billet heater,
- Billet heater with permanent magnet,
- Hot Saw & Hot Shear
- Die Oven,
- Extrusion press with energy saving facility,
- Quenching system,
- Pullers with flying saw,
- Run-in Run-out table
- Stretcher,
- Cut to length - Profile cutting saw,
- Profile handling system,
- Aging Oven.



COMPLETE EXTRUSION LINE



Billet Heating line



Complete Extrusion Line
From 500 T – 200000 T



Quenching System



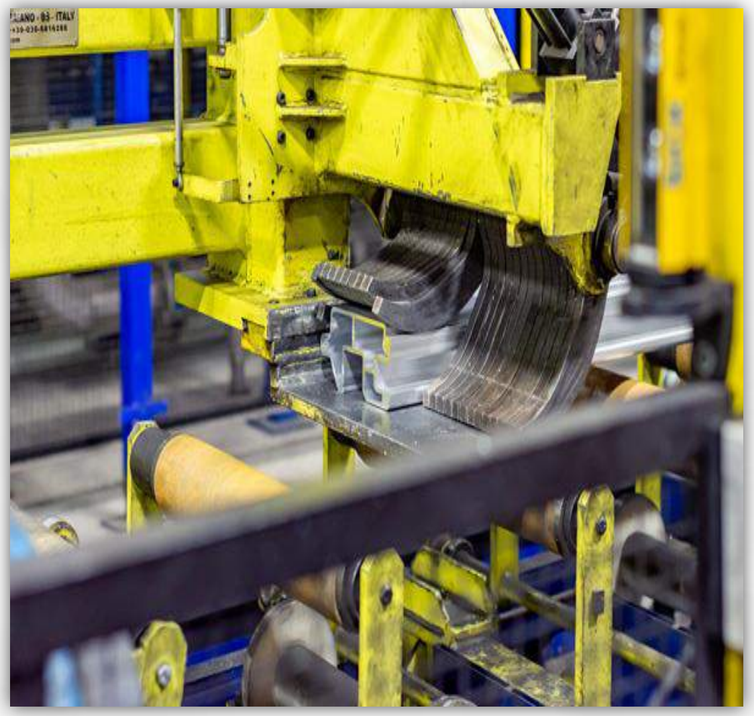
Billet Sawing line



Puller with Cutter

AUXILIARY EQUIPMENT









Auxiliary equipment can be designed to handle profiles



INFRA-RED DIE OVEN

Infrared die ovens are now the most advanced and efficient die heating system in the world. Our ovens save money, energy, improve production efficiency and produce a superior product. The electric actuator of the die – oven are for positive lift control with pre-determined lift speed, less current draw, eliminating any fall situation, and low maintenance.

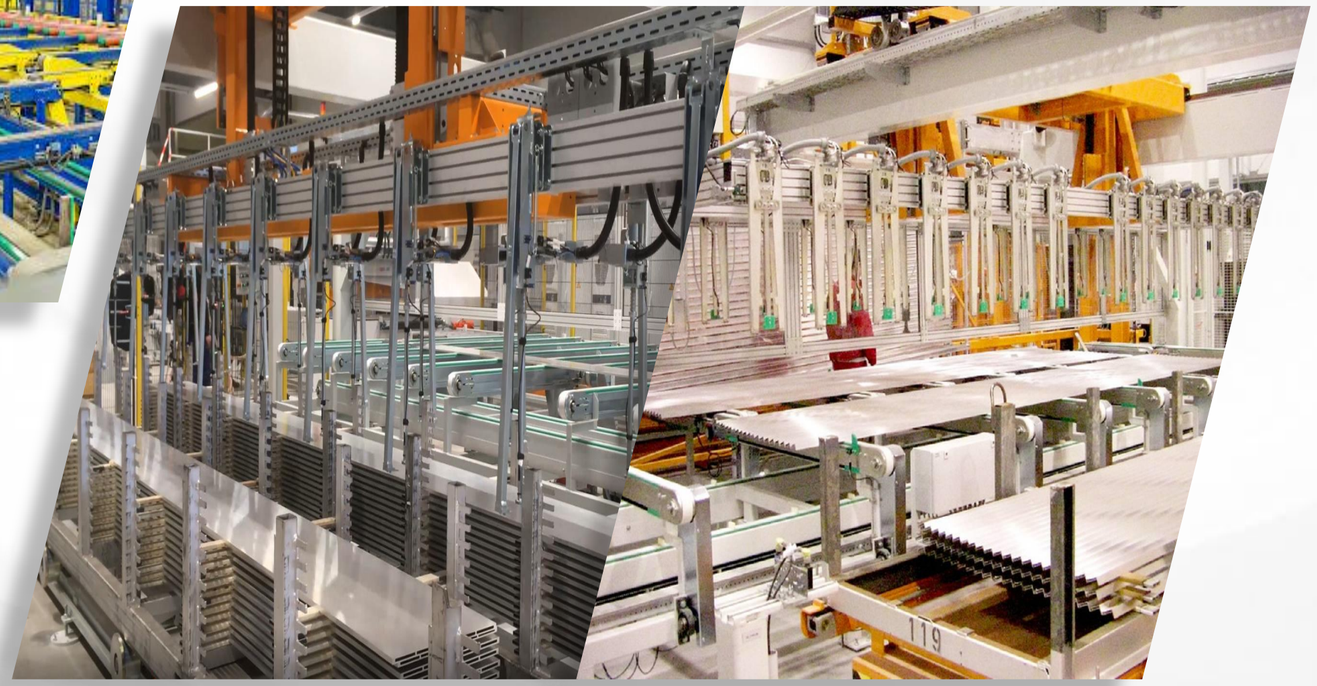
- Scrap reduction
- Reduced Die breakage
- Elimination of Starter billets
- Reduced Die oxidation
- Even Runouts
- Reduced energy consumption up to 50 %
- Lower die bearing wear
- Elimination of Die annealing
- Short cycle heating



COMPLETE STACKING & HANDLING FACILITY



Stacking & Handling system for mid-size extrusion profiles



Stacking & Handling System for 2m width extrusion profiles

PACKAGING FACILITY

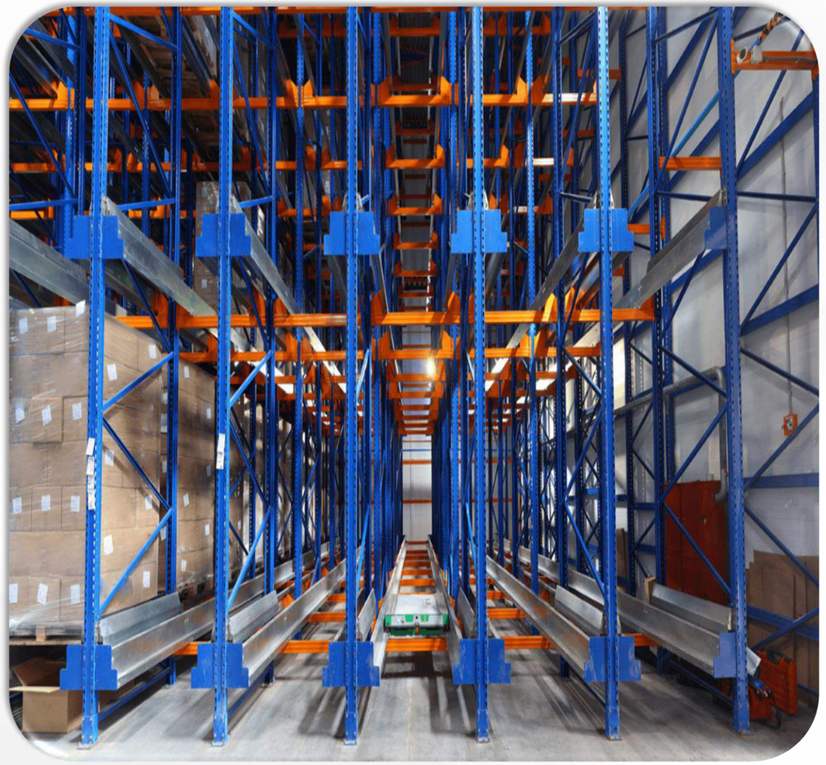
We provide complete coils and extrusion profile packaging solutions to our users.

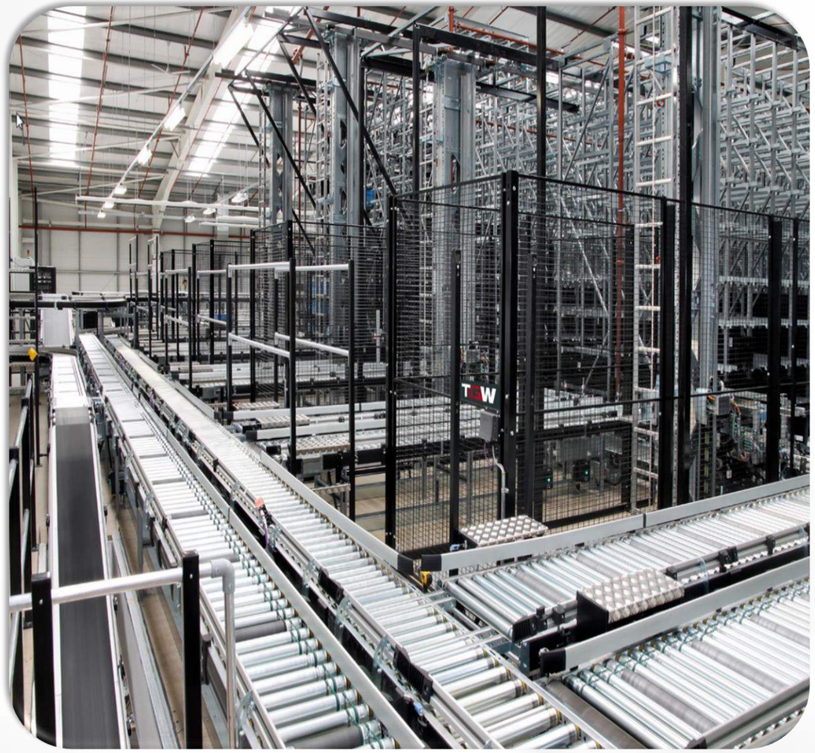






AUTOMATIC STORAGE & DISPATCH FACILITY



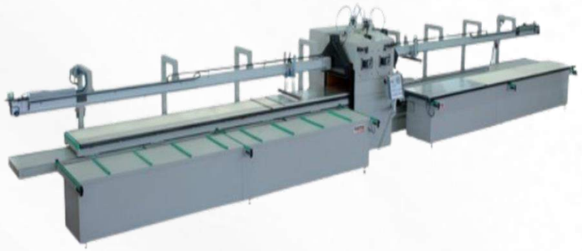




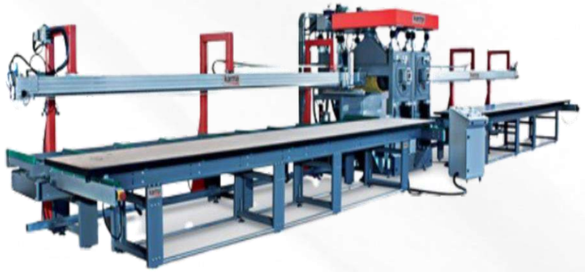
..... Saving Manpower engagement for profile handling activity

POLISHING & BRUSHING MACHINES













We provide solutions to develop special high gloss decorative effects on the aluminum surfaces and create special decorative satin-mat effects on the aluminum surfaces on the extruded profiles.

SURFACE TREATMENT

We provide aluminium surface treatment solution for extrusion profiles with powder coating and anodizing, both vertical & horizontal type.

The solutions are :

- Aluminium- ion concentration stable recovery equipment
- Refining device of single nickel salt colouring bath solution
- Pure water equipment
- Electrophoretic paint recovery device
- Special Crane for oxidation
- Degassing System
- Groundwater purification system
- Fluorocarbon painting system





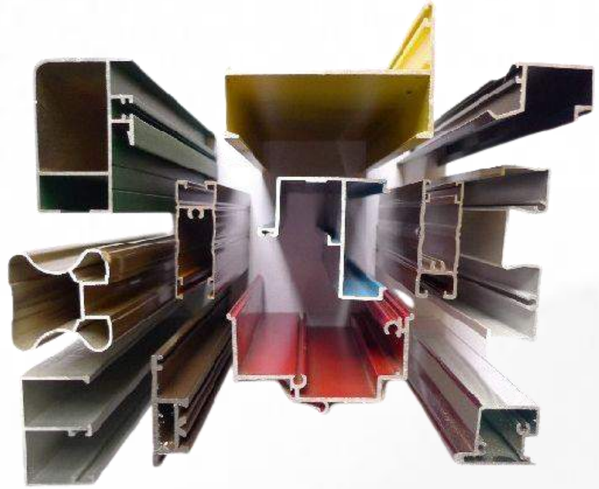




ADDITIVES FOR SURFACE TREATMENT

We provide additives for aluminium surface treatment solution for extrusion profiles.

- Chemical polishing additives
- Fumeless brightening additives
- Alkaline Degreaser
- Low foaming alkaline degreaser
- Chromium-free Passivation Additive
- Hexavalent Chromium Passivation Additive
- Chromium-free Degreasing Additive
- Nickel-free And Fluoride-free Medium Temperature Sealing Additive
- Cold Sealing Additive
- Solid & Liquid Medium Temperature Sealing Additive
- Acidic Degreasing Additive





EXTRUSION DIES

We can supply aluminium extrusion die and steel to produce extrusion dies,

- Solid dies
- Semi Hollow dies
- Hollow dies















UPSTREAM OF EXTRUSION

We provide complete cast house solutions for 6m to 9m long, 4” – 22” billet casting including sourcing of scrap to generating the buying leads of the final product through our digital platform.

- Scrap separator
- Furnace charging car
- Degassing line
- Billet Caster
- Billet Sawing line
- Homogenizing Furnace

END - USERS

We provide solutions to produce the final products like doors - windows, car bodies, railway bogies, battery packs.









INDUSTRY WE SERVE…

