Extrusion press

- Application of forged materials, sturdy structure of presses.
- Container 4 zones heating and cooling systems.
- Uniform heating system for isothermal operation(billet, dies, container)
- Vision sensor system for quality improvement
- Hydraulic drive systems in compact modular design
- Minimized Dead cycle time
- Energy-saving systems
- Smart systems with hybrid technology



Specification of Extrusion presses

Press Extrusion Force		Standard Billet Diameter		Billet Length	Specific Pressure
MN	UST	mm	Inch	mm	kgf/㎟
13	1,500	152	6	700	68.7
15	1,650	152	6	800	75.6
16	1,800	178	7	900	60.9
18	2,000	178	7	950	67.6
22	2,500	203	8	1,000	65
25	2,750	229	9	1,000	56.7
27	3,000	229	9	1,050	61.8
30	3,300	254	10	1,100	55.2
32	3,600	254	10	1,100	60.2
36	4,000	279	11	1,200	55.8
40	4,400	279	11	1,200	61.4
40	4,400	305	12	1,200	51.7
45	5,000	330	13	1,300	50.3
50	5,500	330	13	1,350	55.4
55	6,000	356	14	1,400	52.1
60	6,600	356	14	1,500	57.3
63	7,000	381	15	1,500	53
70	7,800	406	16	1,500	52.1
75	8,400	406	16	1,550	56.1
80	9,000	432	17	1,600	53.3
90	10,000	457	18	1,650	53
100	11,000	483	19	1,700	52.1

Extrusion presses by capacity



1,500 UST



2,000 UST



2,400 UST



2,750 UST



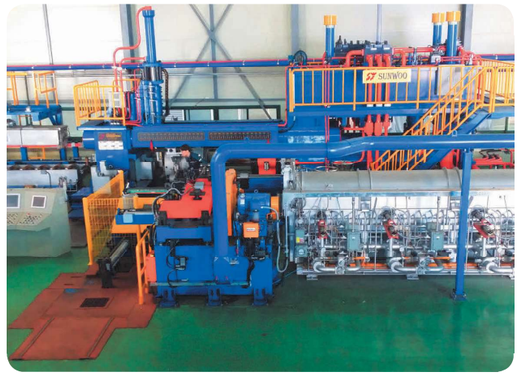
3,600 UST



4,500 UST

Extrusion equipment

- Extrusion press(2,750 UST)



- Extrusion plant(Anseong, KOREA)



- Extrusion plant(Anseong, KOREA)

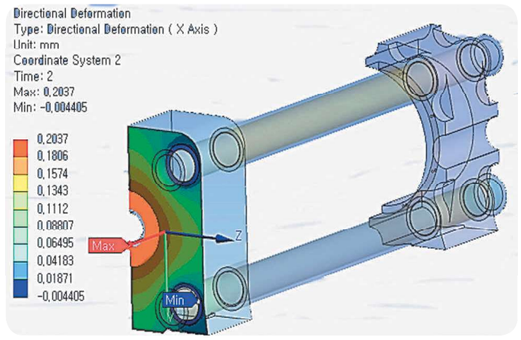


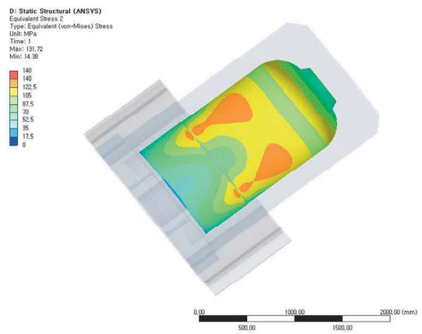
- Extrusion plant(Dubai, UAE)





- A structural analysis





- Main operating panel



- Container & Dummy block



- 700 MTon Stretcher





Handling equipment

Handling equipment

The facilities that handle profiles or pipes produced by the extrusion press, contribute to productivity and quality.



Quenching System

Select among three methods, depending on the application.
- Standing wave type
- Mist
- Spray

Prevention of profile deformation through quenching



Puller

3 types(single, double, twin)

Immediacy	Return operation for minimum dead cycle
Connectivity	Maintain uniform tension and speed in relation to the press
Precision	Prevent damage to product quality



Platen saw

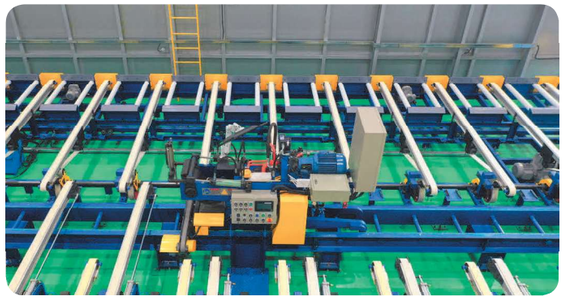
- Fast and accurate automatic cutting an extruded profile with an initial length using saw
- Minimization of scrap
- Horizontal / Vertical type





Conveyor & cooling table

- Installation of the cooling fans & Ensure sufficient cooling during the standby process.
- Device for conveying the cut profile & sending it to the next process



Stretcher

- Correction of torsion
- Correction for deformation caused by the extrusion process
- Remove the residual stress.
  * Select among three operation methods, no man, 1 man, 2 men
  * Control method by pressure
  * Control method by distance



Final cutting machine

- Final cutting to the required length of the profile.
- Precise length cutting & maintenance of squareness angle
- Safety system
- A dust collector for scattering prevention of chip
- Cutting oil spray



Auto stacker

- Automatic loading and transporting for heat treatment or delivery of the final cut profiles.
- Fast and efficient operation

Furnace & heater

- Log billet heater & hot saw



- Log billet heater & hot shear



- Induction billet heater(low frequency)



- Dies oven



- Aging oven



