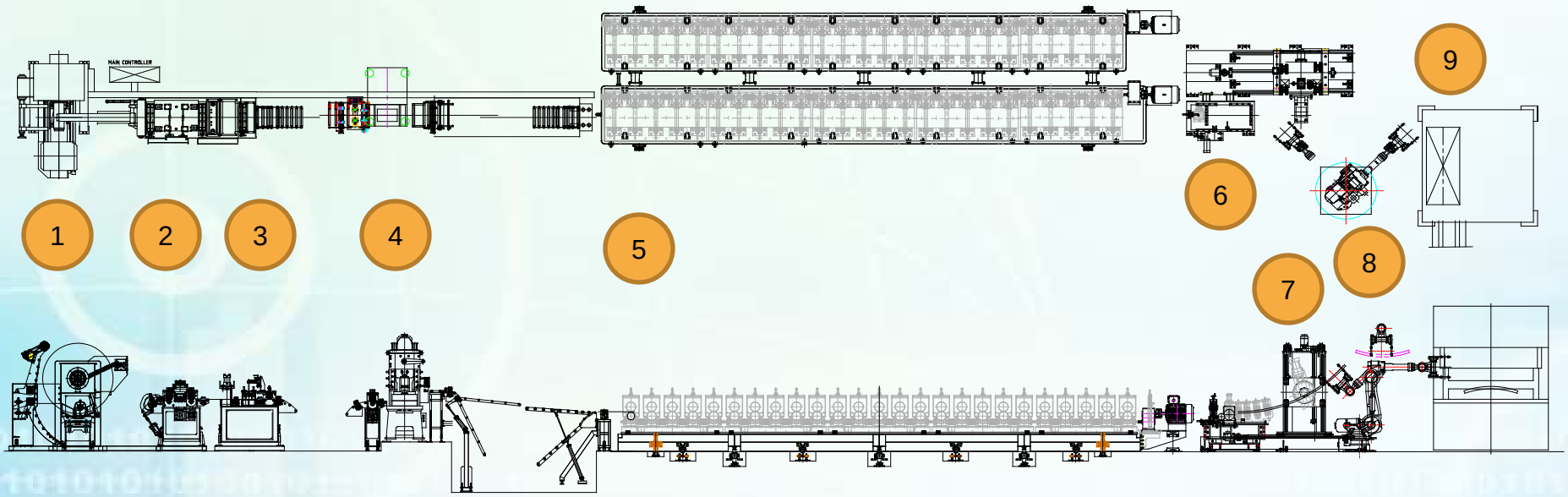
LAY-OUT



Process	Specification	Process	Specification
1) Uncoiler M/C	•Loading Car -1 Unit	**7) Running Cutter M/C**	•Hyd' Cuttering and Servo System
2) NC Leveller M/C	• NC FEEDER and LEVELLER	**8) Unloading Robot**	• Robot System and Air Clamping
3) Shear & Welder M/C	• SHEAR and WELDER	**9) Unloading Conveyor**	• Slat Conveyor
4) PRE PIERCING Press	•60Ton Press		
5) Roll Forming M/C	•Roll Forming – 2Unit		
6) Round Bender M/c	•Round Roller 5Step		

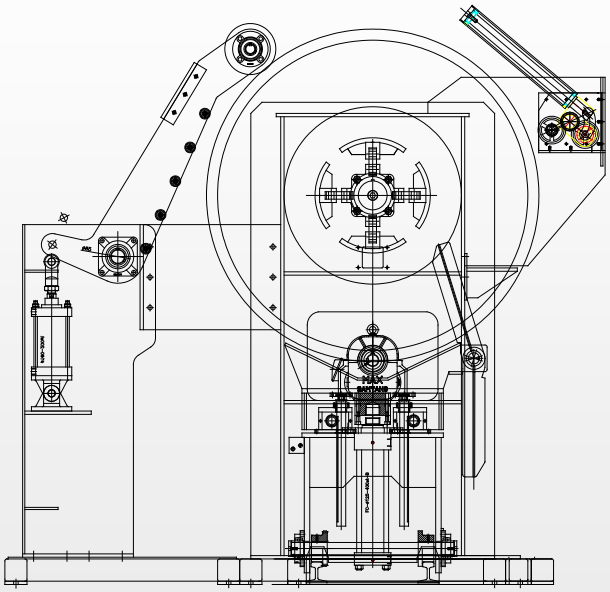
EQUIPMENT Specification

1. Uncoiler M/C

1. Uncoiler M/C

UNCOILER

- Loader Car (1Set)
- Mandrel Hyd' type

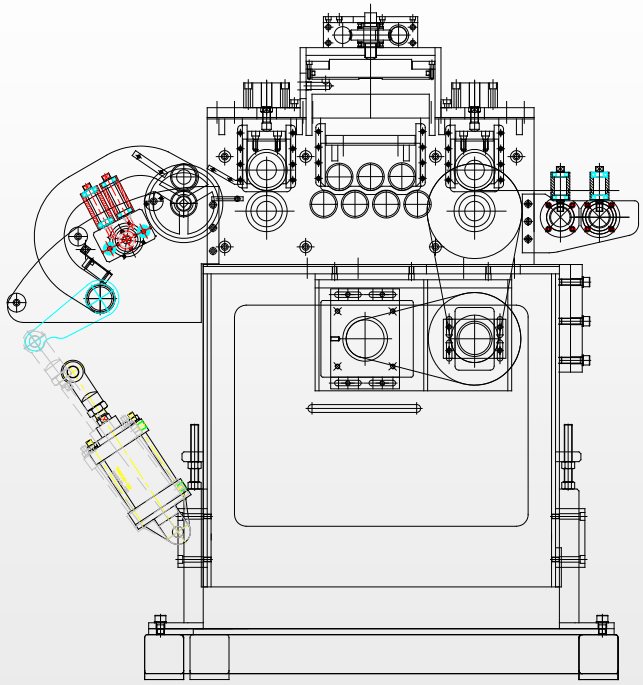


EQUIPMENT Specification

2. N.C LEVELLER

2. N.C LEVELLER

N .C L E V E L F E E D

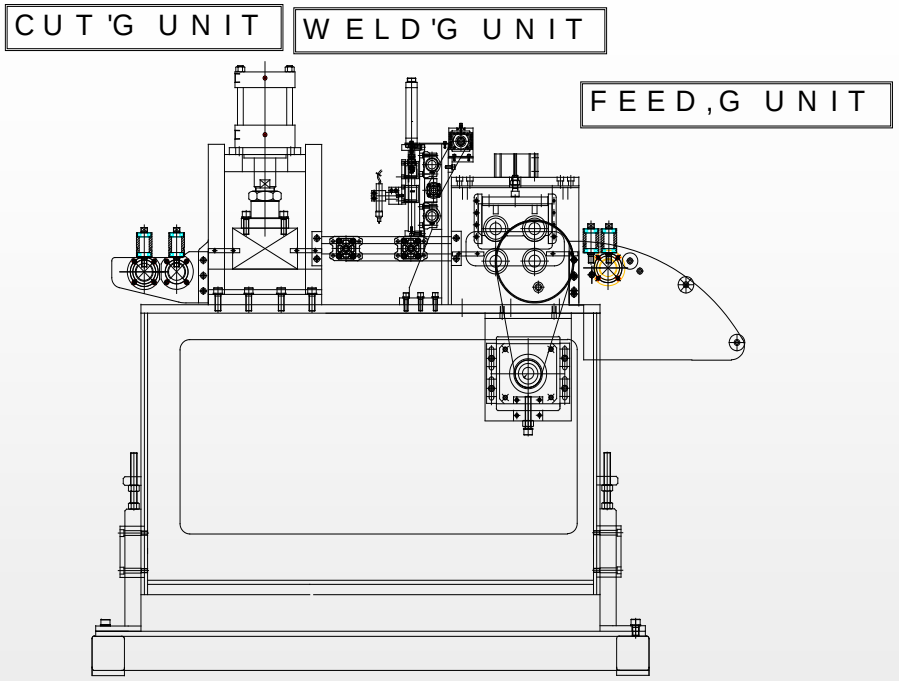


- Servo Feeding
- Levelling –Air Type

EQUIPMENT Specification

3. SHEAR & WELDER M/C

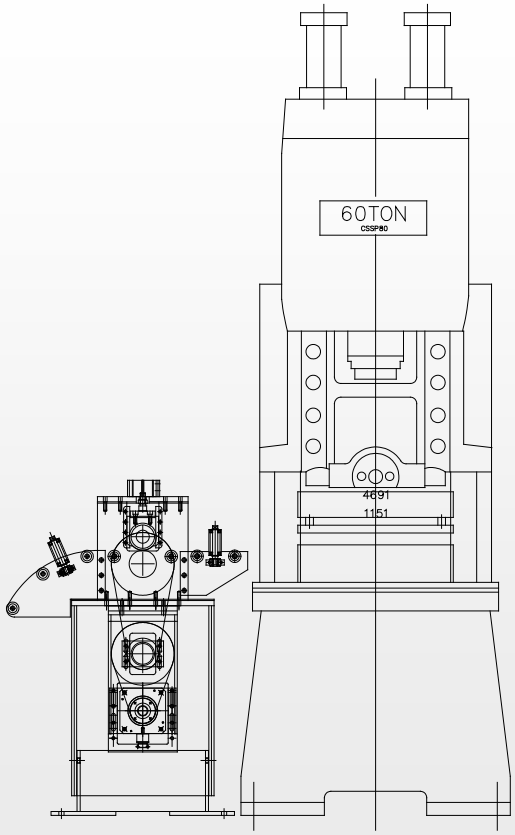
3. SHEAR & WELDER M/C



EQUIPMENT Specification

4. PRE PIERCING PRESS M/C

4. PRE PIERCING PRESS M/C

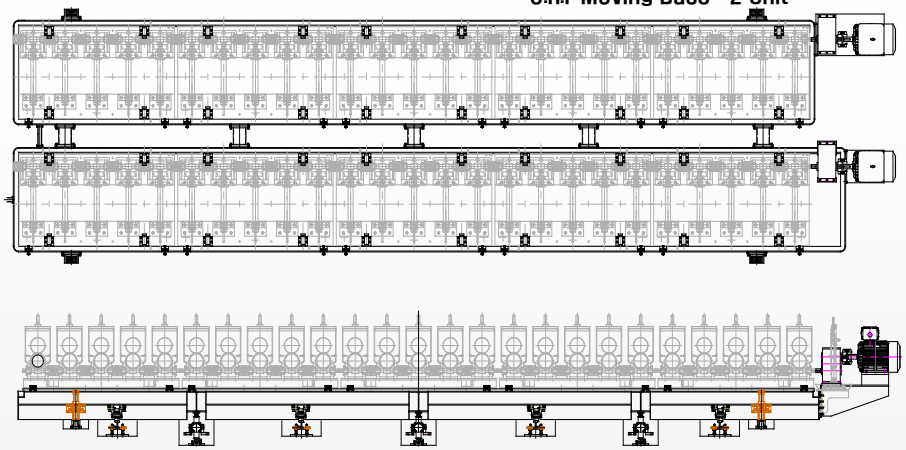


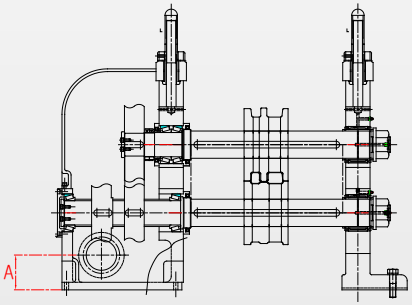
EQUIPMENT Specification

5. ROLL FORMING M/C

5. ROLL FORMING M/C

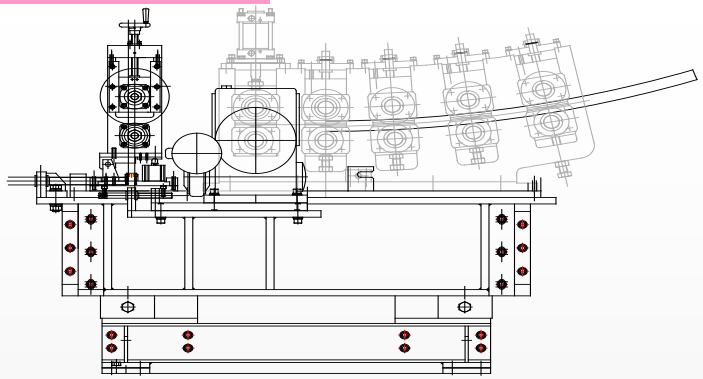
- Roll CASSETTE BASE type
- C.R.F Moving Base –2 Unit

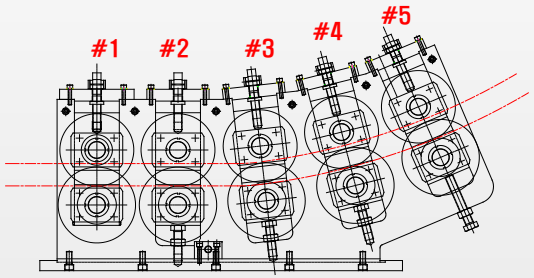




6. ROUND BENDER M/C

• Round Bender Base





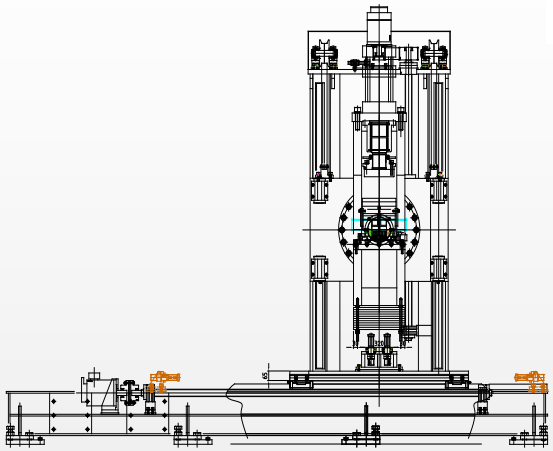
EQUIPMENT Specification

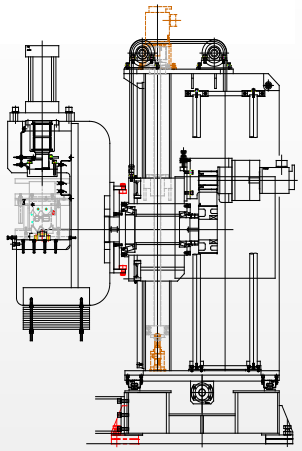
7. RUNNING CUTTER M/C

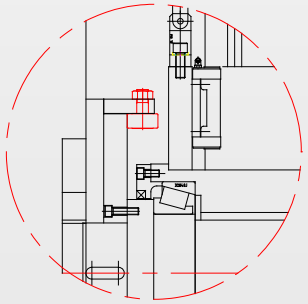
7. RUNNING CUTTER M/C

- **RUNNING CUTTER M/C**

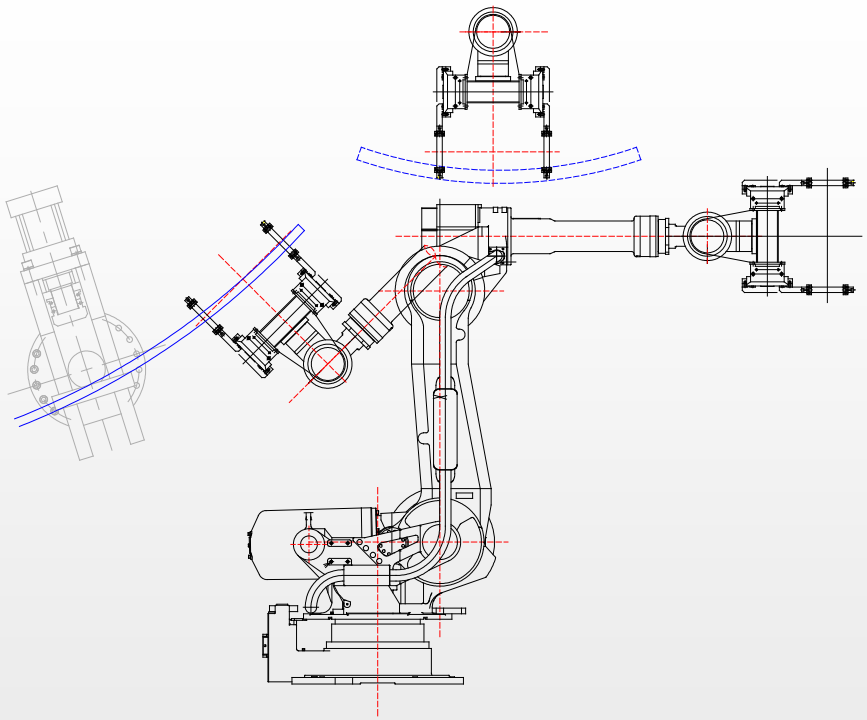
- •X-MOVING-SERVO
- • Y-MOVING-SERVO
- • Z-MOVING-SERVO
- • MOLDER CUTTERING
- • Hyd' Unit



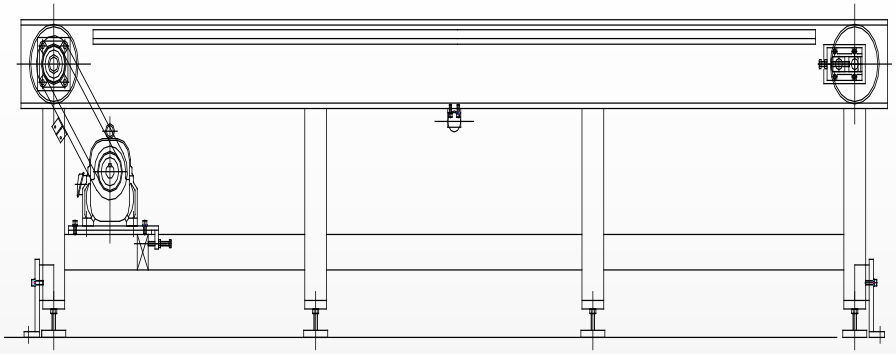




8. Unloading Robot



9. UNLOADING Con'v M/C

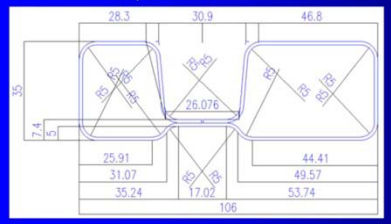


PRODUCT INFORMATION

Roll Forming Optimize the design

The Profile / The Case

Open-Profile



Flow Design

Optimization of the Design
(COPRA® RF)

Deformation Technology
Simluation

Matrial property

COPRA RF matrial Data base

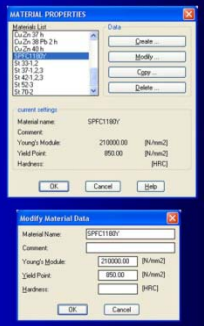
Thickness : 1.2 mm

Young's Modulus : 207GPa

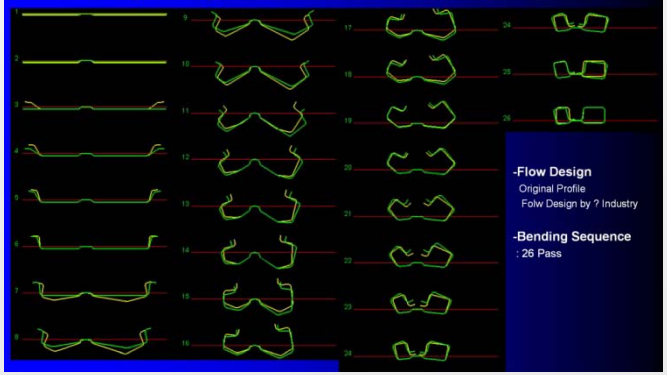
Poisson ratio : 0.3

Yield Stress : 850 N/mm2

High Tensile Steel



Flow Design-Original Profile (Show Forming Sequences)



-Flow Design
Original Profile
Folw Design by ? Industry

-Bending Sequence
: 26 Pass

Flow Design-Original Profile