



NISSIN

CNC Freeform Tube Bender

- Features
- Usecase
- Specification



日進精機株式会社



Features

- **Made in Japan**
- **Full CNC Control**
- **3D Freeform Bending**
- **Single Stroke Bending**
- **Large/Compound Radii**
- **IGES data translation**





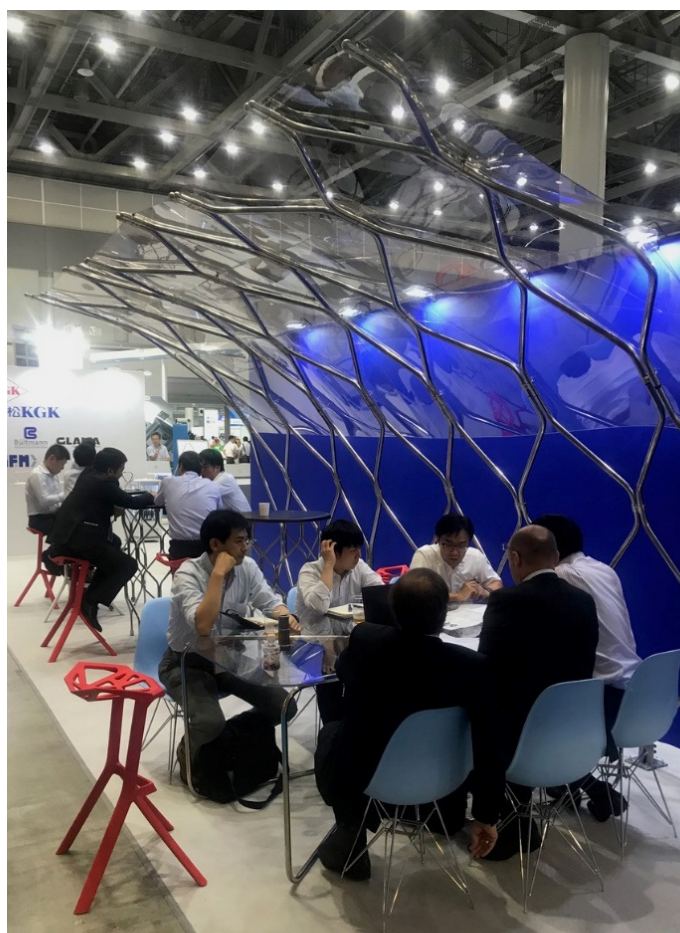
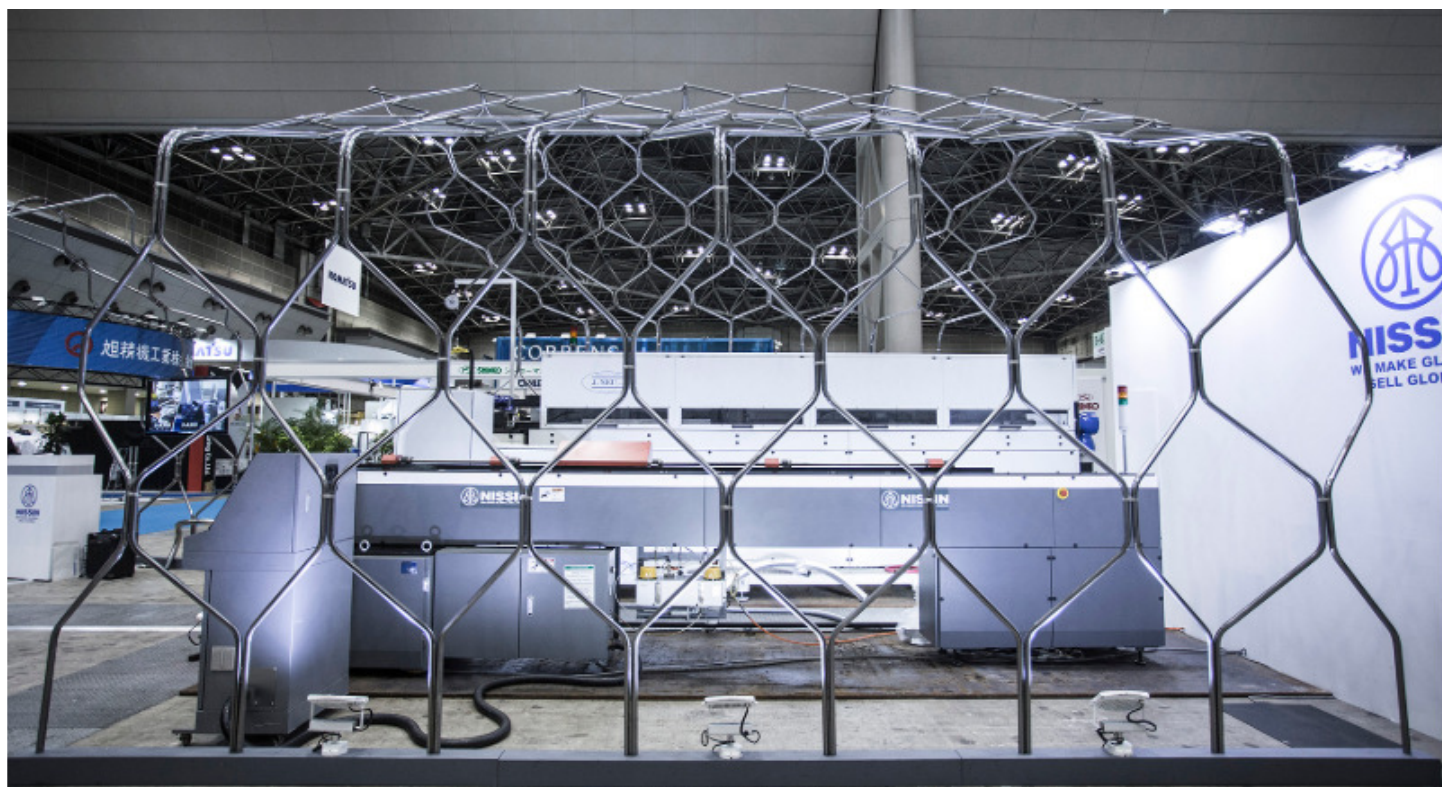
Specification

Applicable Tooling Size Range	
Min. Bend Radius	3 x Outer Diameter (3OD)
Wall Thickness	5~10% (Depending on material, bend radius and OD)
Materials	Steel, Stainless Steel, Alminum, Copper, Brass and other metalic tubes
Max. Tube Length	4m (expandable upto 16m as option)
Max. Feed Speed	200mm/秒(Depending on model, material and target shape)
Input Voltage	200V +/- 20%, 3-phase (Transformer should be locally purchased by customer)
Input Current	40~100A (Depending on models)
CNC System	Mitsubishi Electric MELDAS M80W series System
Approx. Net Weight	2.1 tons (NPB030) , 3.7 tons (NPB040) , 5.5 tons (NPB050)
Bundled Software	Easy Programming(Editor)、IGES Translator、Param 3 (Spring back correction file editor)
Warranty	One year from Bill of Lading date (Not applicable to non-supported countries)

Design and Spec. subject to change without prior notice



Exterior Decoration Example



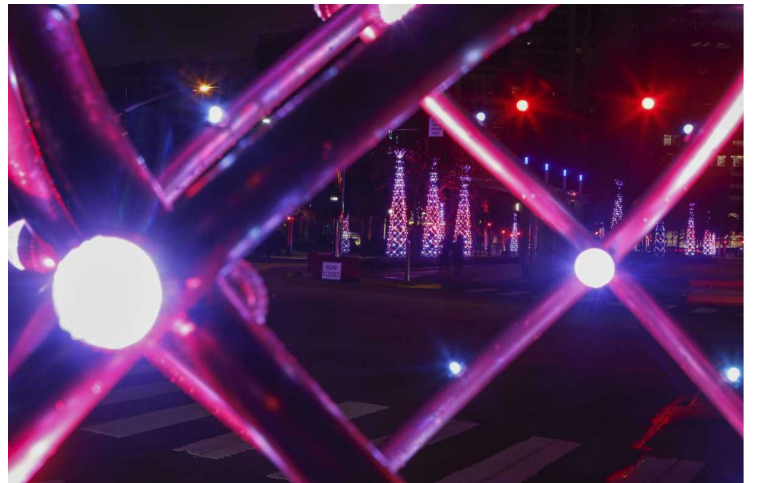
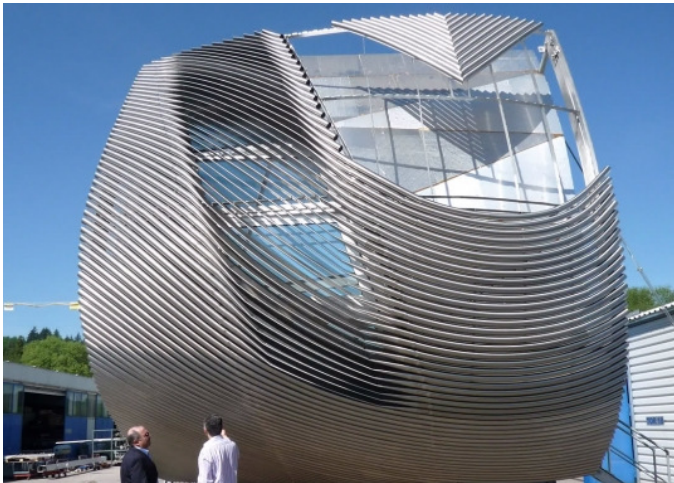
Interior Decoration Example



Interior Decoration for Corporate Facility

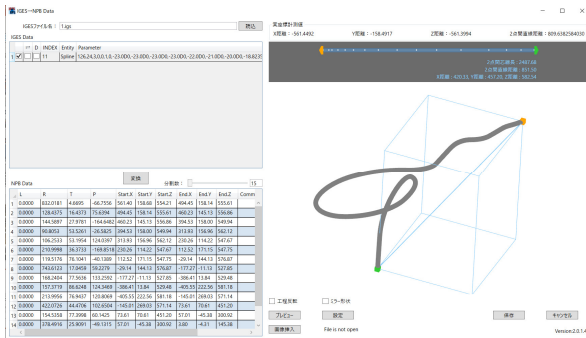


Objets D'Art and Playground Equipments

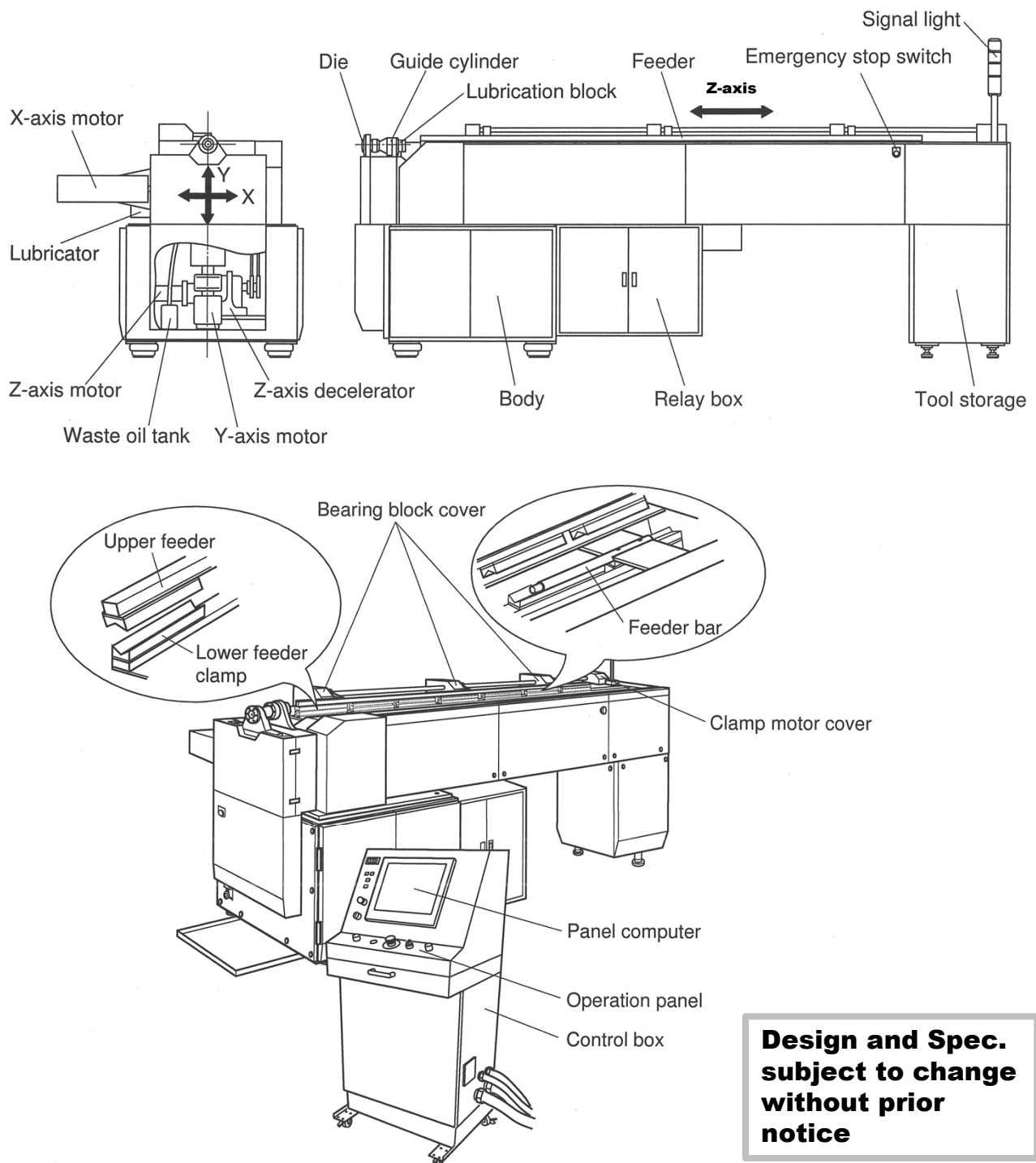
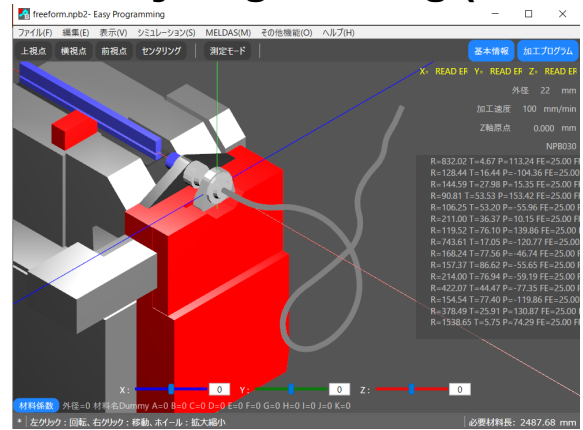


System Outline

■ IGES data translator

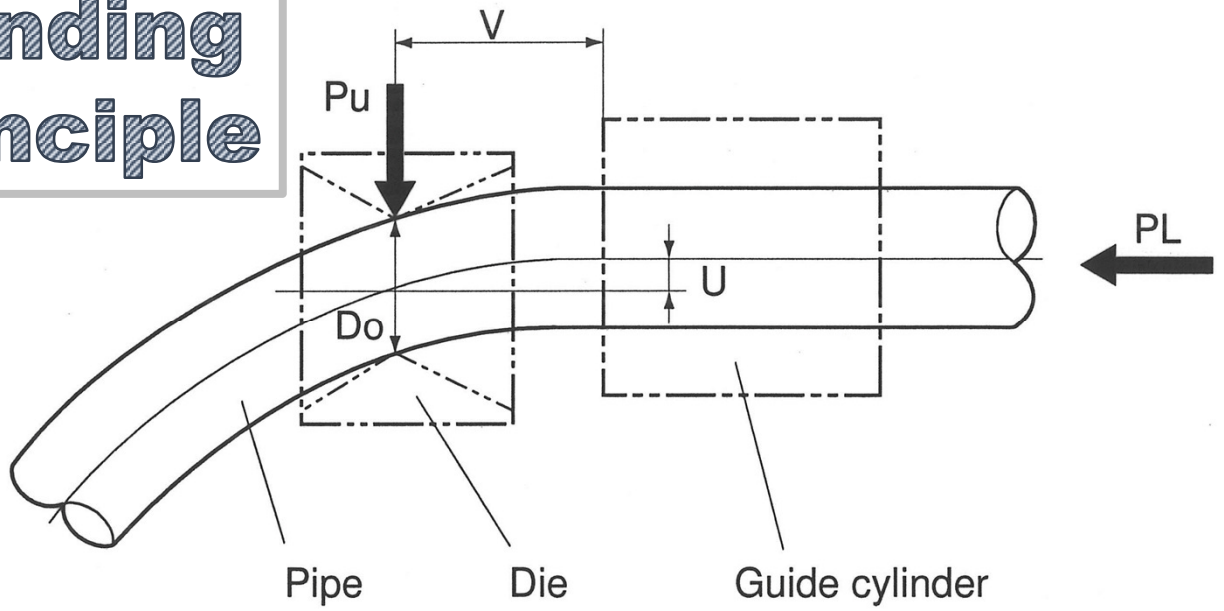


■ EasyProgramming (Editor)

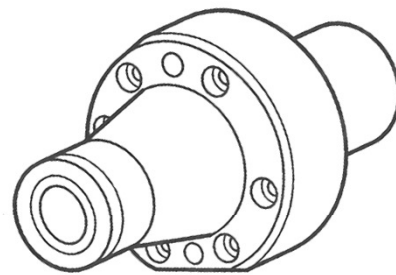
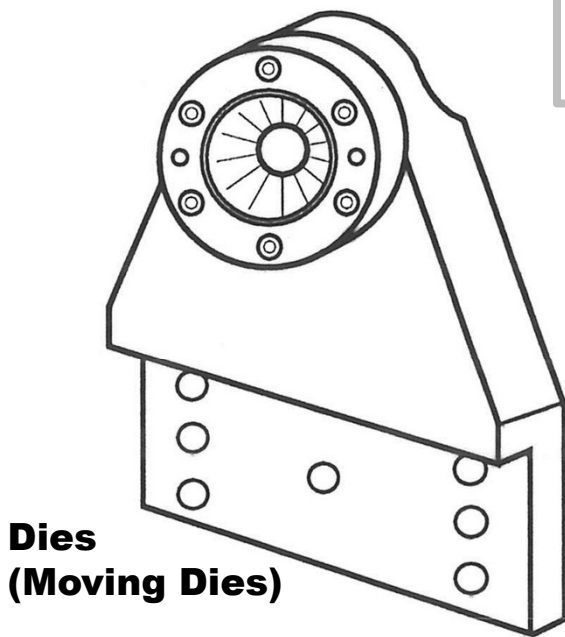


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Bending Principle

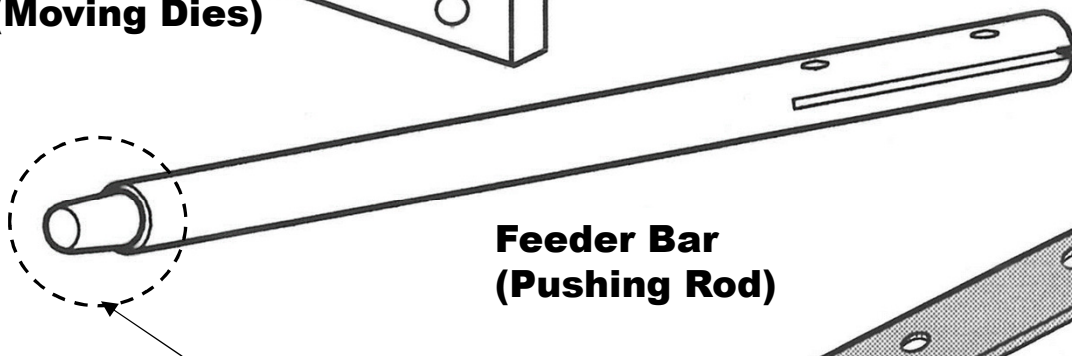


Optional Accessories



**Guide Cylinder
(Fixed Dies)**

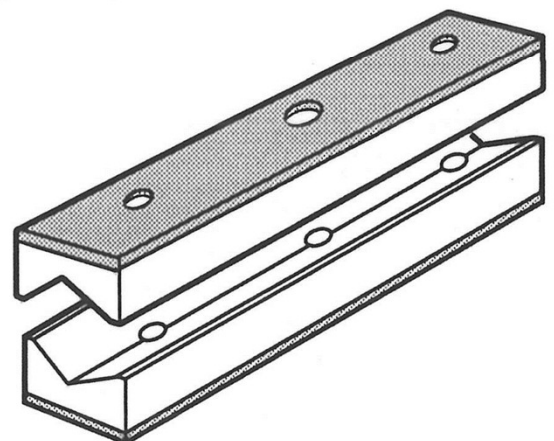
**Dies
(Moving Dies)**



**Rotational Stopper
(Pushing Head)**

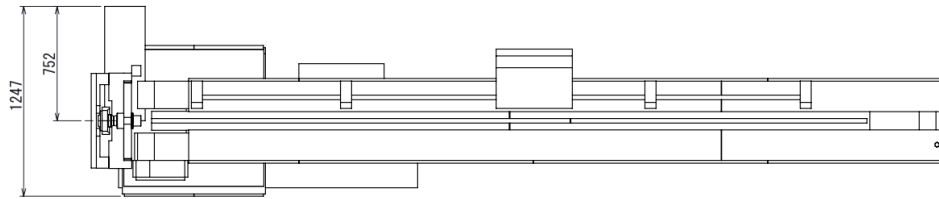
**Feeder Bar
(Pushing Rod)**

Workguide & Spacer



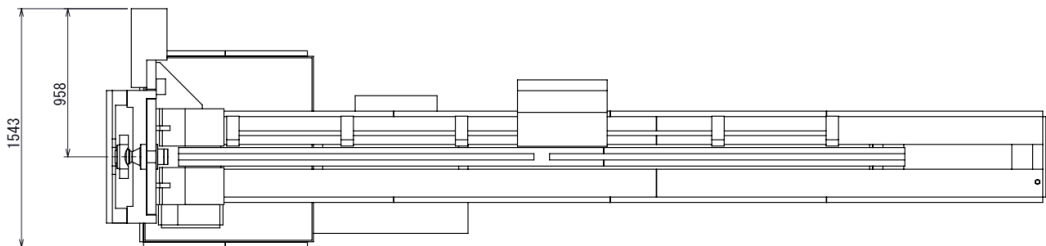
Outside Dimensions

NPB030



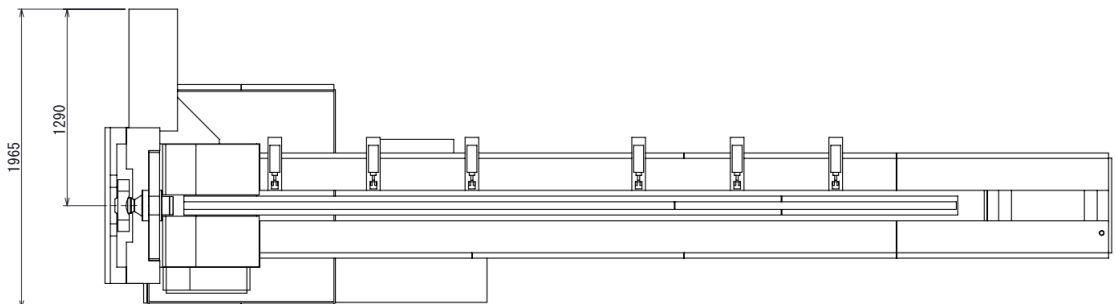
Approx. 5,630mm in length for standard 4,000mm tube length.

NPB040



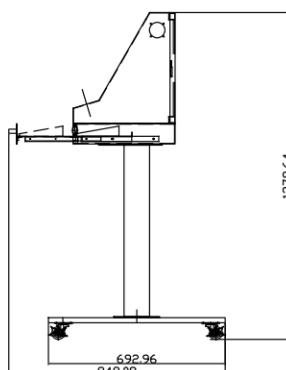
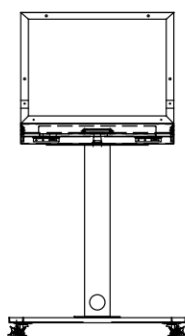
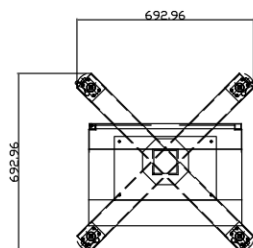
Approx. 6,080mm in length for standard 4,000mm tube length.

NPB050



Approx. 6,640mm in length for standard 4,000mm tube length.

CONSOLE



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Please provide following information.

- 1. Your company details.**
- 2. Your main line of business.**
- 3. Planned applications of tube bending.**
- 4. Your current issues and expected solutions.**
- 5. Applicable tube materials, O.D. and W.T.**
- 6. Parts drawing, if any.**

Memo: