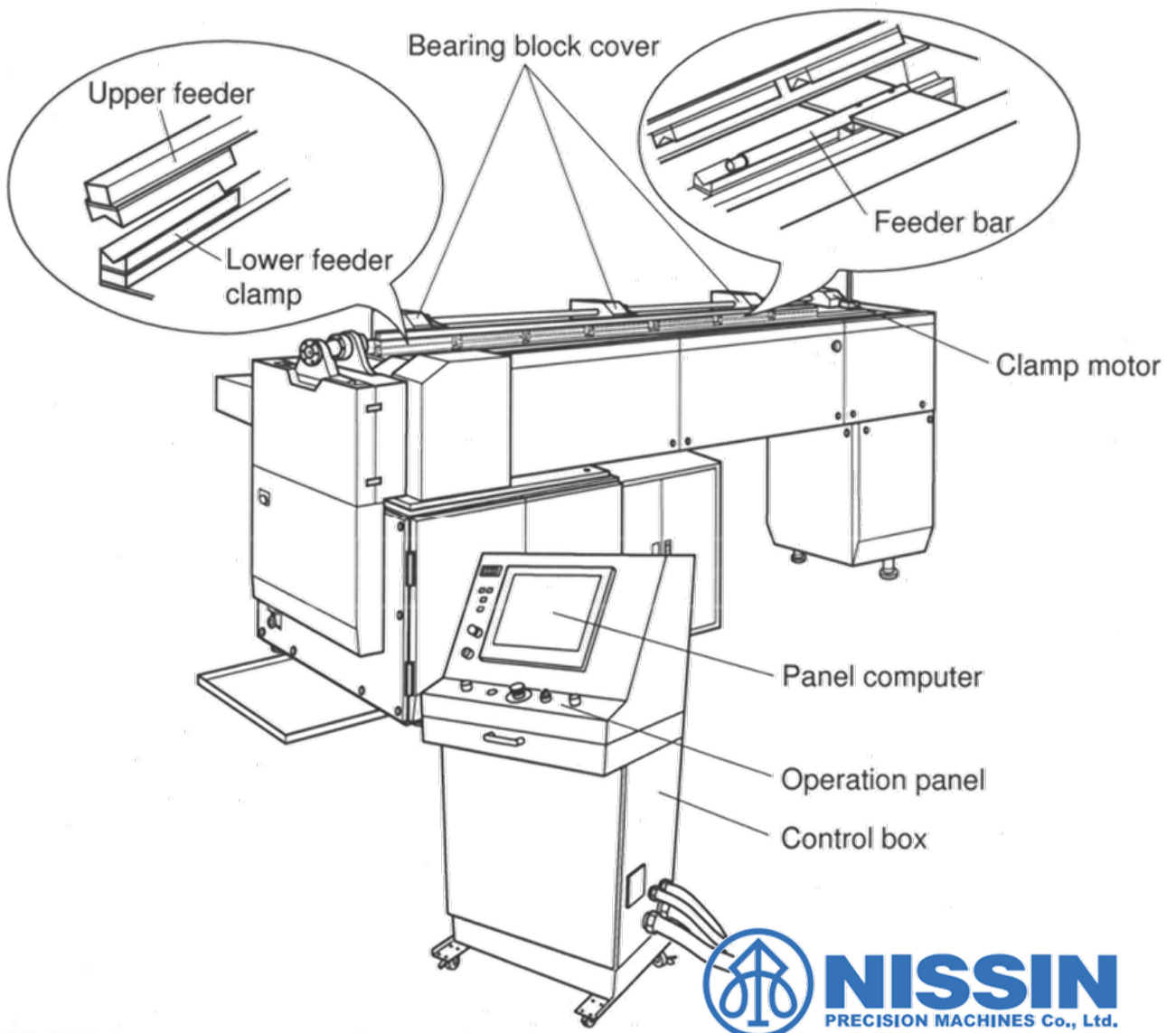


OFERTA DE ATIVO INDUSTRIAL



DOBRADORA DE TUBOS FREEFORM CNC FREEFORM TUBE BENDER NISSIN NPB030MD



ESCOPO DE FORNECIMENTO

01 01 (uma) máquina de dobra de tubos CNC do Tipo Freeform

Fabricante

Nissin Precision Machines

Modelo:

Nissin NPB030MD - 3000

Raio de Dobra:

3x Diâmetro Externo Tubo

Comprimento do Tubo:

3000 mm

Quantidade de eixos:

3 eixos

Detalhes

Uma ferramenta faz qualquer raio de dobra para o mesmo diâmetro de tubo.

Dobras podem ser todas sequenciais, sem necessidade de espaços retos entre as dobras (freeform)

Software de programação das dobras e de conversão de arquivos IGES é disponível direto no IHM do equipamento.



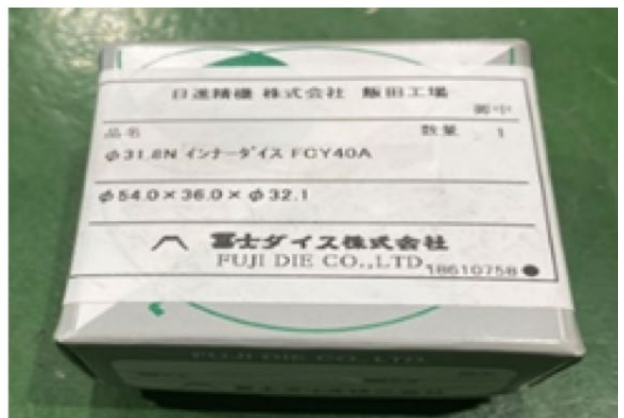
02

01 (um) conjunto de micrômetros especiais para medição e calibração de raios utilizado para setup do equipamento e para controle de processo.



03

01 (um) ferramental para dobra de tubos de 31.8mm adicional em cerâmica Fuji Die Co. LTD



ESCOPO DE FORNECIMENTO

04

01 (um) Transformador customizado para o equipamento transformando 380V Trifásico em 200V Trifásico no padrão aprovado pelo fabricante do equipamento.

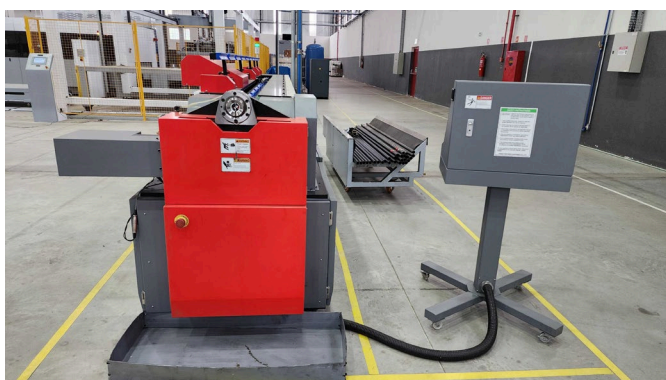
05

Manuais de uso, calibração e guia para compra do óleo para lubrificação durante o processo de dobra.

ESPECIFICAÇÕES TÉCNICAS

CARACTERÍSTICA	CAPACIDADE
Diâmetro do Tubo (min. / max.)	4,0mm até 31,8mm
Raio Mínimo (curva)	3 x DE (Diâmetro Externo do Tubo)
Espessura de Parede do Tubo	5,0 mm +/-10% (Depende do material, raio da curva e DE)
Material do Tubo	Aço, Aço Inox, Alumínio, Cobre, Latão e outros tubos de metal
Comprimento do Tubo (max.)	3 metros
Velocidade de Alimentação (max.)	Até 200mm/min (Depende do material e da curvatura desejada)
Tensão de Entrada	200V +/- 20%, 3-phase – Acompanha transformador 380V/200V
Corrente de Entrada	40~100A
Sistema CNC	Mitsubishi Electric MELDAS M80W series
Peso Líquido (aprox.)	2.1 tonelada
Software incluído	Easy Programming (Editor), IGES Conversor, Param 3 (Editor de parâmetros para materiais e efeito mola). Programação direto no IHM do equipamento.

IMAGENS





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**





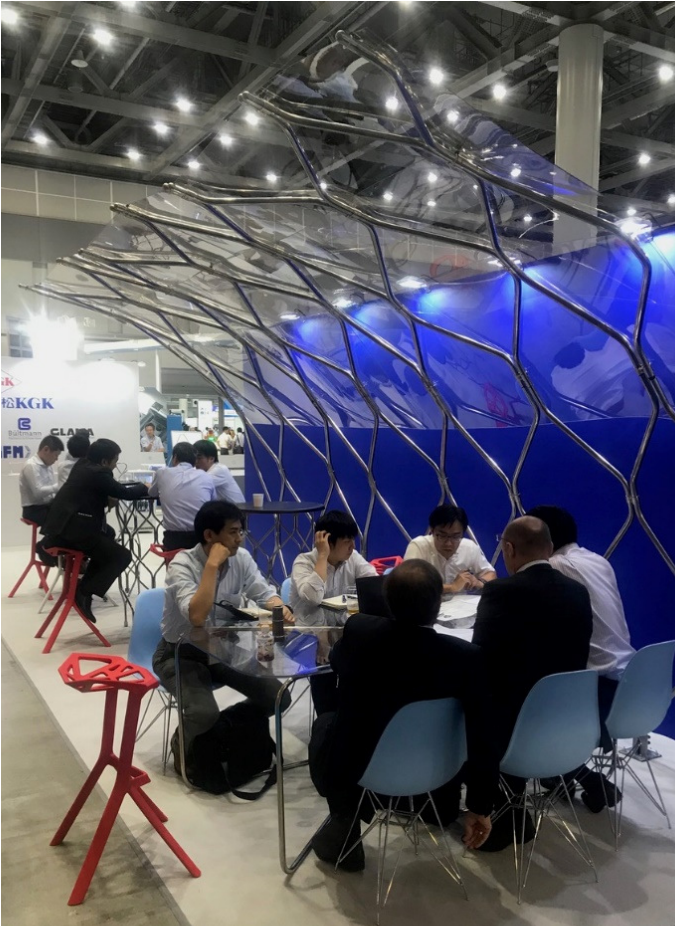
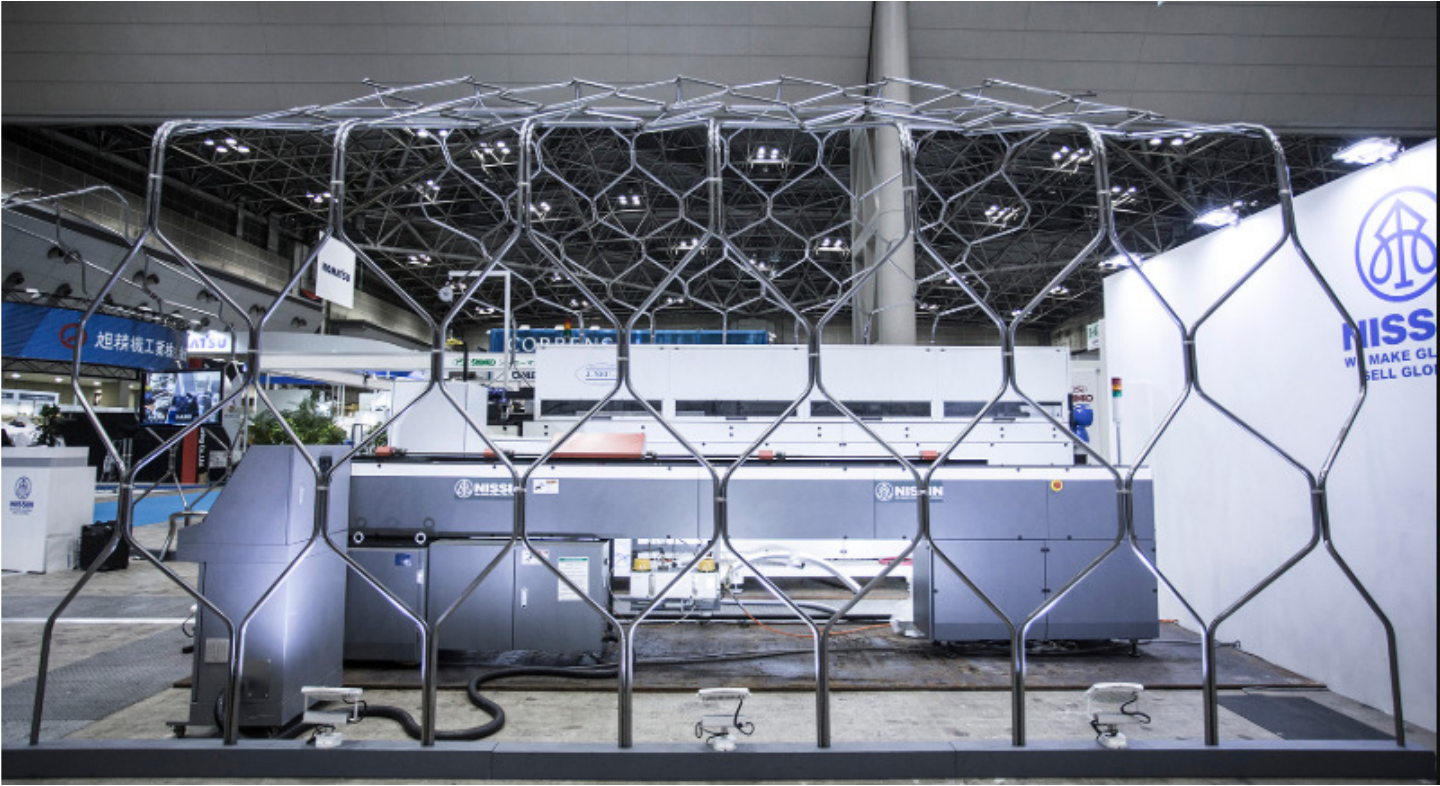
Specification

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 metallic tubes
Max. Tube Length	3m
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



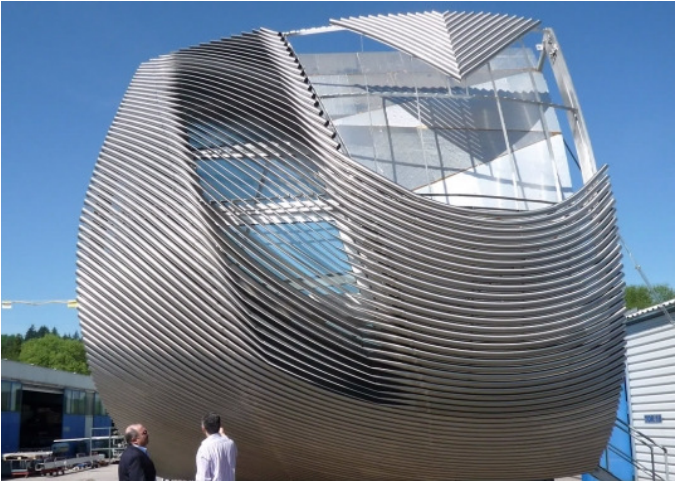
Interior Decoration Example



Interior Decoration for Corporate Facility



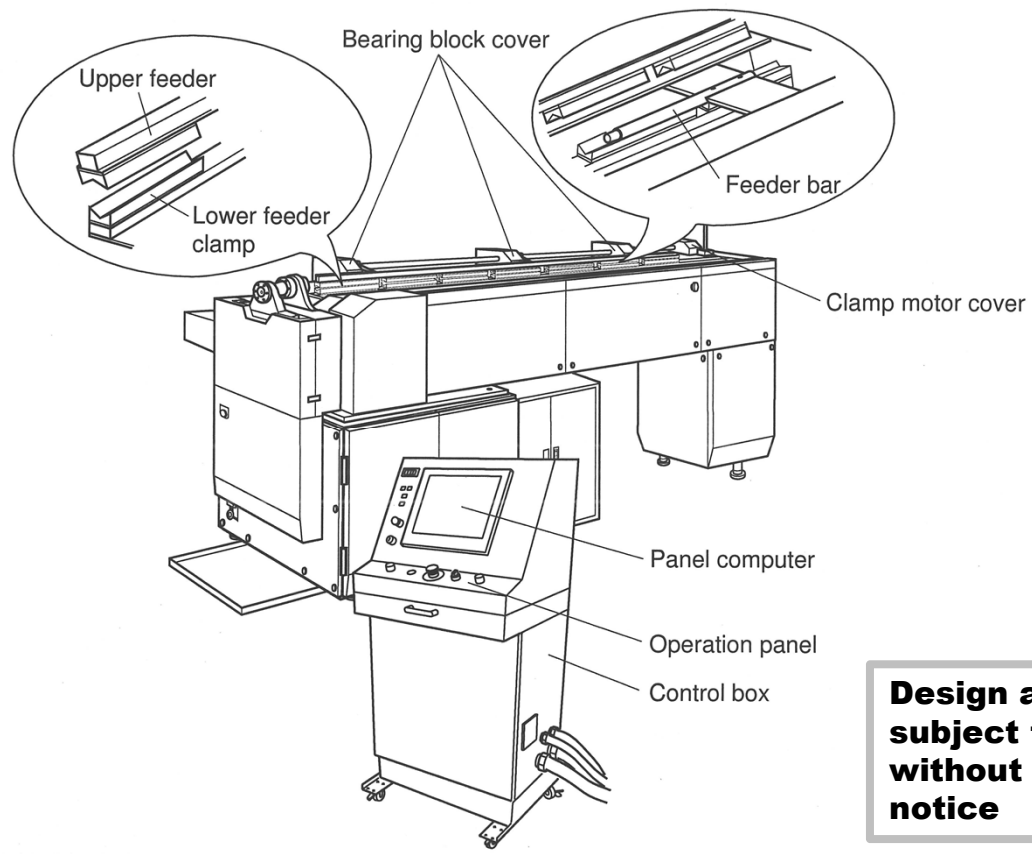
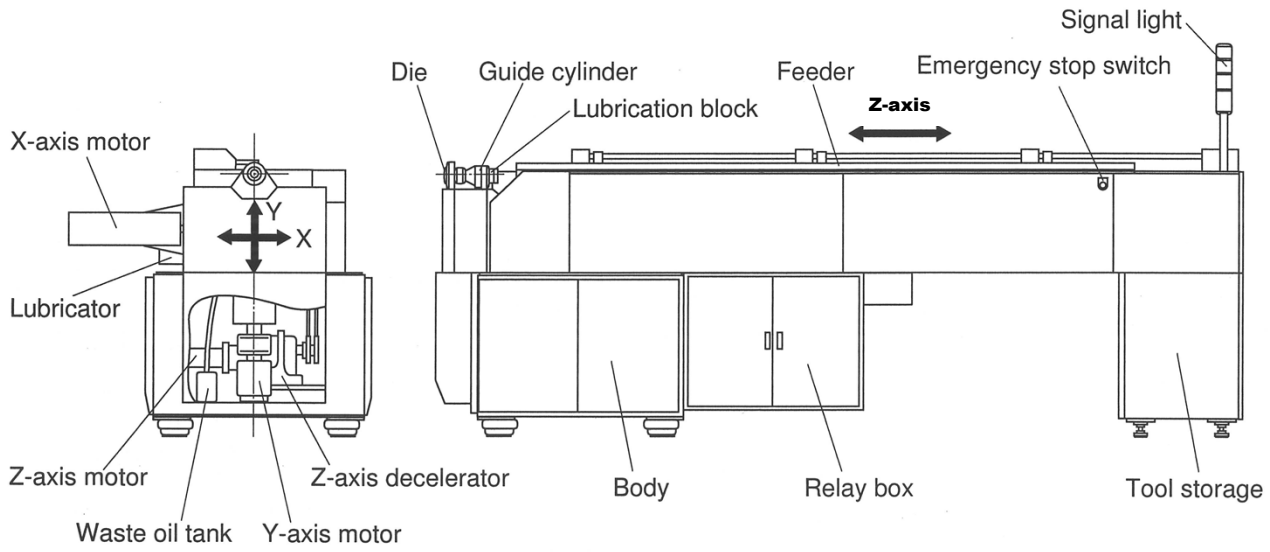
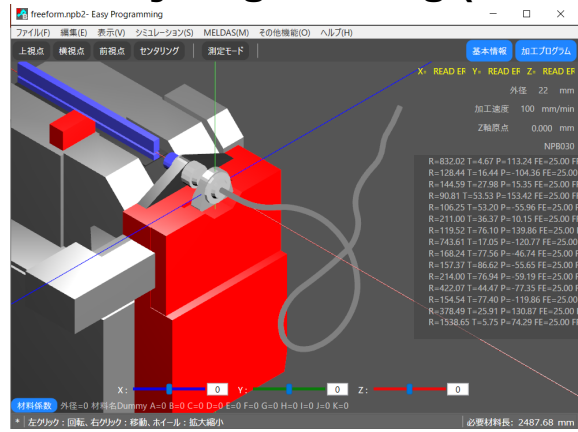
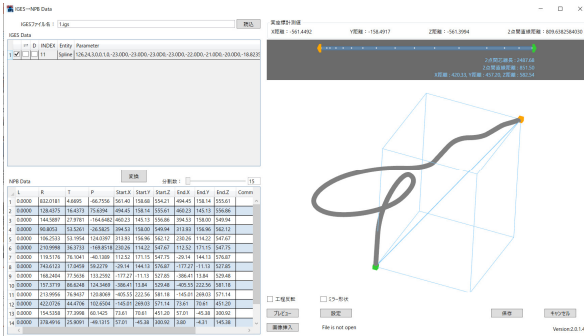
Objets D'Art and Playground Equipments



System Outline

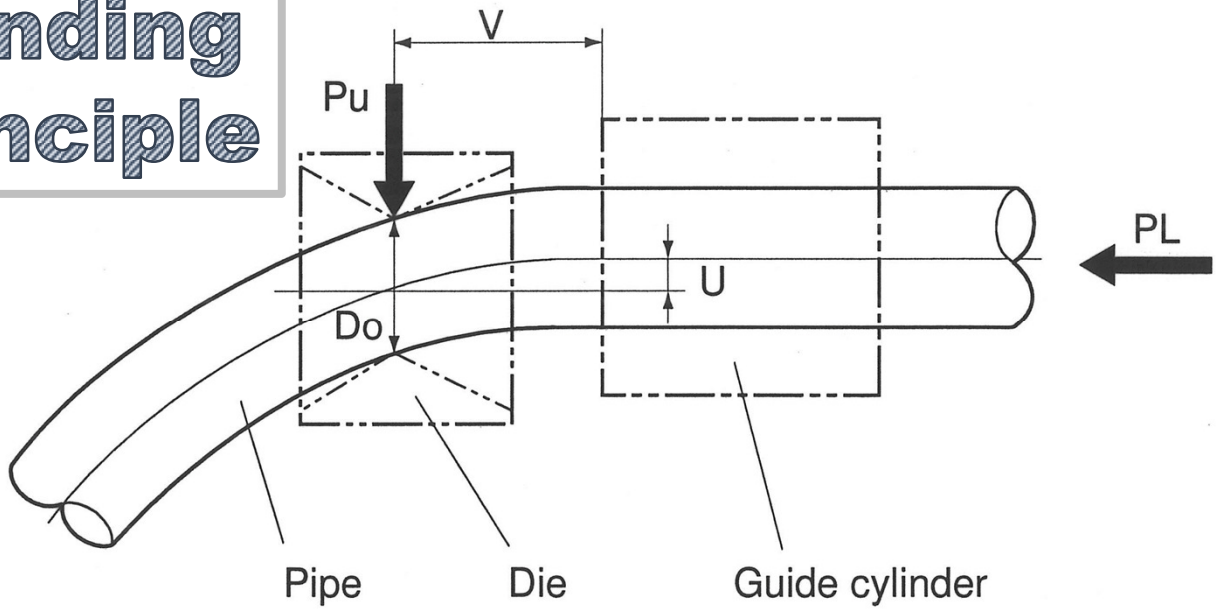
■ EasyProgramming (Editor)

■ IGES data translator

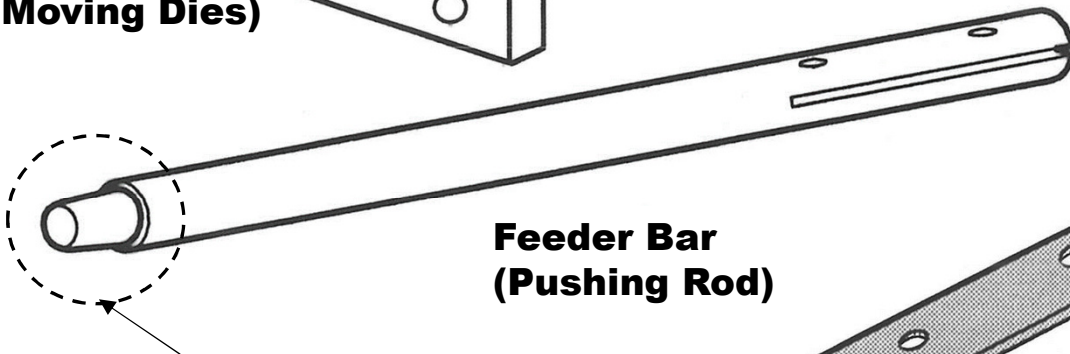
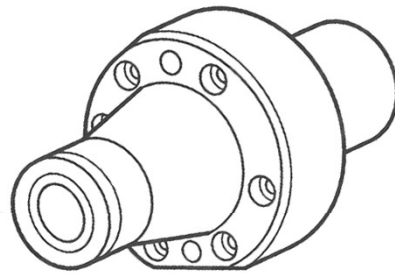
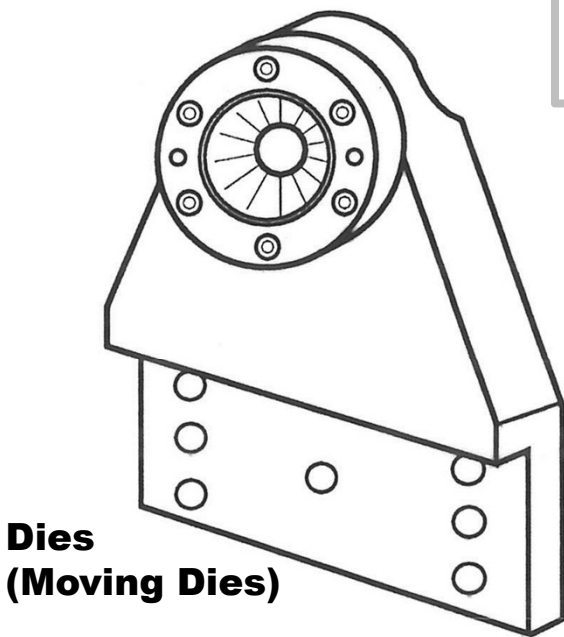


Design and Spec. subject to change without prior notice

Bending Principle

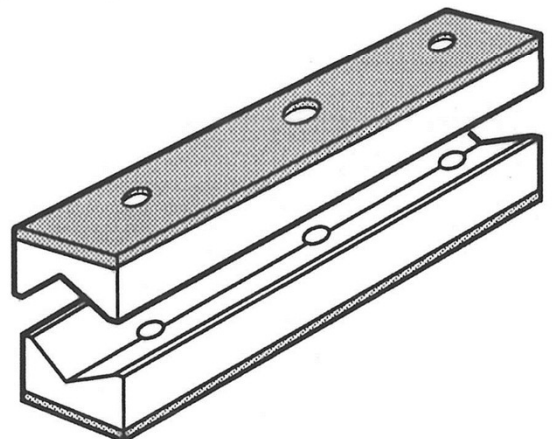


Optional Accessories



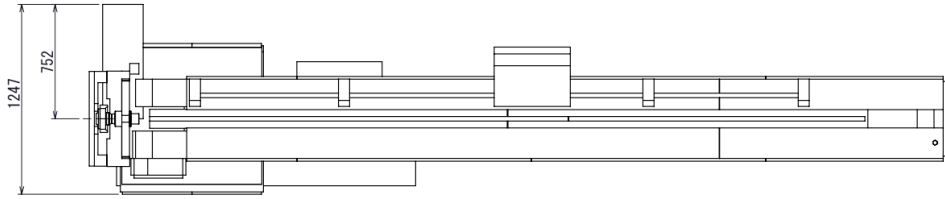
Rotational Stopper (Pushing Head)

Workguide & Spacer



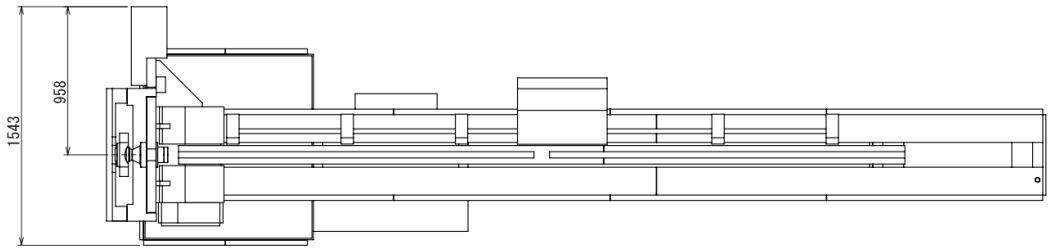
Outside Dimensions

NPB030



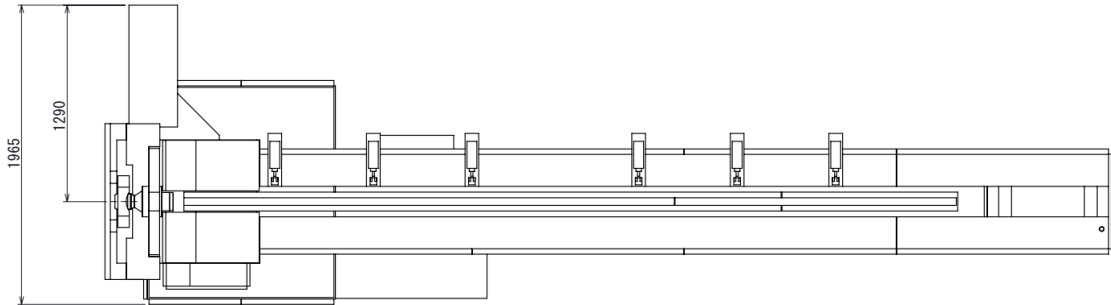
Approx. 5,630mm in length for standard 3,000mm tube length.

NPB040



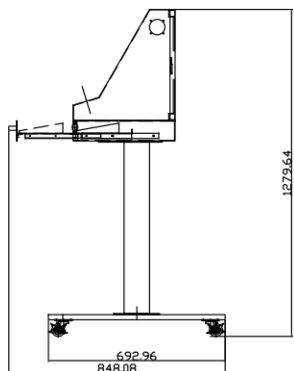
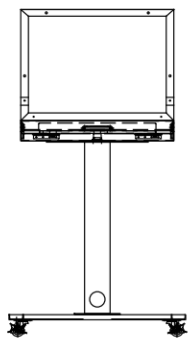
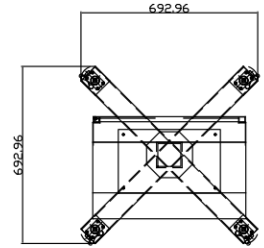
Approx. 6,080mm in length for standard 4,000mm tube length.

NPB050



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

CONSOLE



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