

# TAIHEI CNC WIRE FORMING MACHINES



TIF-208S  
TIF-206H  
TSF-808S  
TSF-806H  
TSF-1200



**TAIHEI**

# 2 AXIS CNC WIRE FORMERS

## TIF-206H

high speed forming



### MAJOR FEATURES

1. Quick Set Up Time  
Programming data can be prepared easily by direct command, and can be saved on a 3.5" floppy disc.
2. 24-hour Ghost Shift Operation  
Extremely quiet (noise-free) operation permits unmaned night shift operation without noise pollution problem.
3. Manpower Saving  
One operator can normally handle 6 to 8 formers.
4. Flexibility  
If so required, production of varying wire formed products can be done in consecutive sequence.
5. High Productivity  
No moulds, no special toolings, etc. are required. Switchover to new products can be carried out very quickly.

**MAJOR APPLICATIONS** are basically same as those of the 3 AXIS wire formers as far as forming on the 2-dimensional plane is concerned.

## TIF-208S

precision forming



**MAJOR FEATURES AND APPLICATIONS** are basically same as those of the TIF-206H 2 AXIS CNC Wire Former.



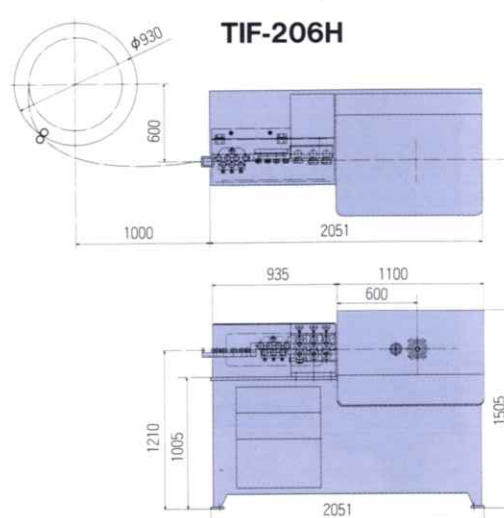
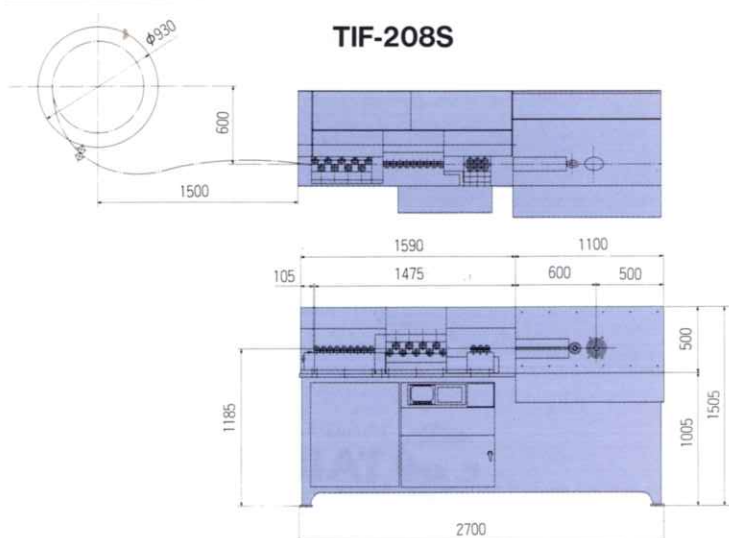
# NEW TAIHEI CNC WIRE FORMER SPECIFICATIONS

## TIF SERIES 2-AXIS CNC WIRE FORMERS

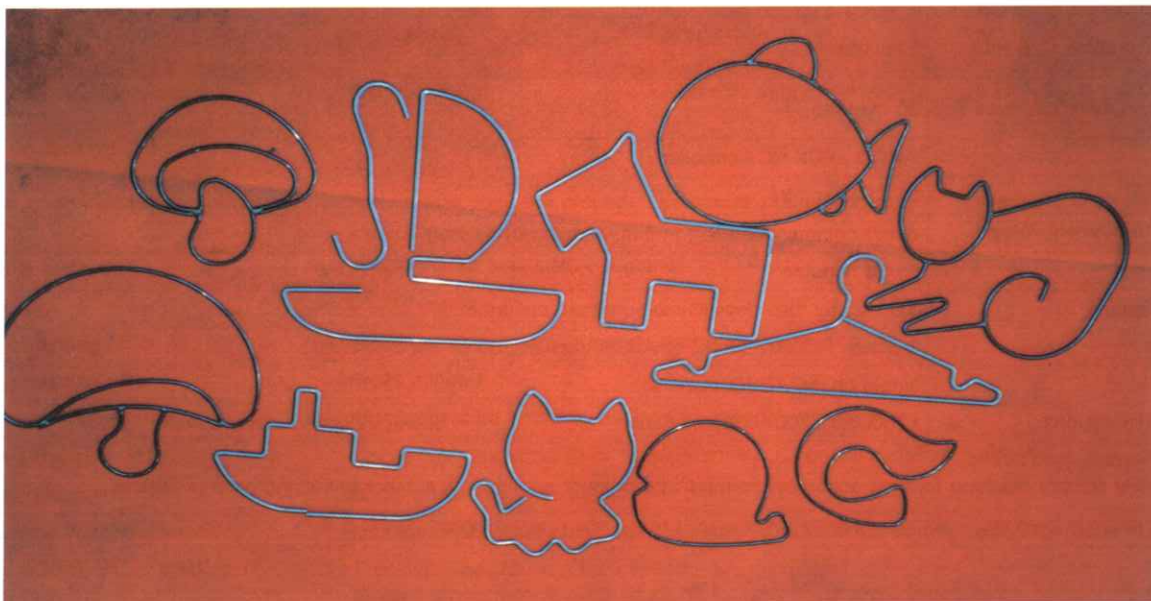
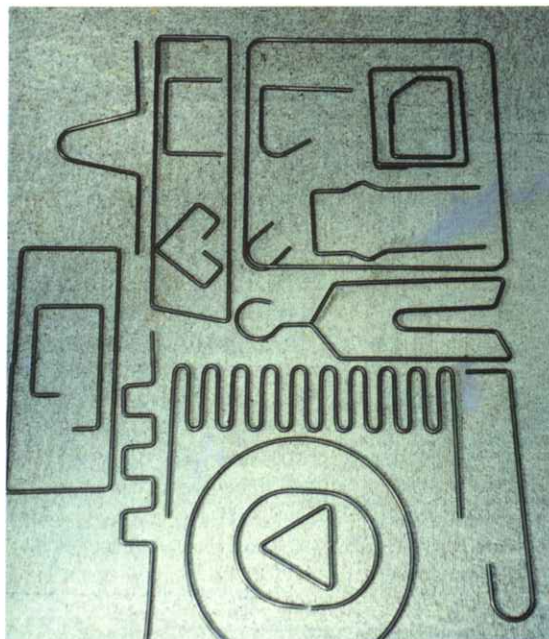
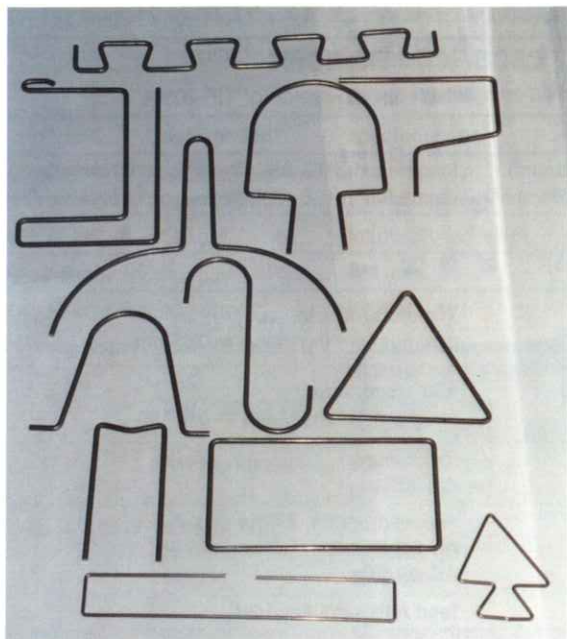
MODEL NUMBER		MODEL TIF-208S (improved version of TIF-208)	MODEL TIF-206H (high speed version of TIF-208S)
description	designation	specifications	
wire material/ diameter range	soft wire(SWM) hard wire(SWO-A, B)	3mm~8mm $\phi$ (TS 85kgf/mm <sup>2</sup> or 834N/mm <sup>2</sup> ) 2mm~5mm $\phi$ (TS 150kgf/mm <sup>2</sup> or 1,422N/mm <sup>2</sup> )	3mm~6mm $\phi$ (TS 85kgf/mm <sup>2</sup> or 834N/mm <sup>2</sup> ) 2mm~5mm $\phi$ (TS 150kgf/mm <sup>2</sup> or 1,422N/mm <sup>2</sup> )
wire feed length		infinite(coiled wire)	
bending angle		$\pm 180^\circ$	
wire forming speed	straight feed	30meters/minute max. ★ minimum setting value = 0.05mm	75meters/minute max. minimum setting value = 0.05mm
	bending speed	240" /sec. max. minimum setting value = 0.01"	480" /sec. max. minimum setting value = 0.01"
forming accuracy	straight feed	$\pm 0.05$ mm ★	$\pm 0.05$ mm ★
	bending	$\pm 0.05$ " ★	$\pm 0.05$ " ★
drive motors	straight feed	AC servo motor, 2.0Kw	AC servo motor, 2.0Kw
	bending	AC servo motor, 1.0Kw	AC servo motor, 1.0Kw
	hydraulic unit	AC 0.75Kw	AC 0.75Kw
wire feeding mechanism		feed rolls	feed rolls with encoder
wire straightening mechanism		precision ground square grooved straightening rolls(patented)	precision ground straightening rolls
set up time	same size wire	1 minute	
	other size wire	30 minutes	
digital controller		WACO $\mu$ PCX NC controller	
display		9" CRT monitor	
programming		direct command(feeding in mm, bending in degree)	
programming time		5~20 minutes	
program saving/loading		3.5" floppy disc drive(IC memory card optional)	
power capacity		3-phase AC200V( $\pm 10\%$ ) or AC380V( $\pm 10\%$ ), 60 or 50Hz, 8KVA	
control circuit		single phase AC 100V( $\pm 10\%$ )	
machine weight/dimensions		1,700kgs/2,700×935×1,520mm	1,500kgs/2,060×935×1,520mm

★ Precision straightening feed speed.

★ Figures shown only specify machine forming accuracy. Formed wire product accuracy is subject to varying exterior factors.



## PRODUCT SAMPLES



### OPTIONAL ATTACHMENTS

- PIN BENDING HEAD(FOR TSF-808S・806H)
- FORMED WIRE END PROCESSING UNIT  
(ROUNDING, CHAMFERING, STAMPING, ETC...FOR DETAILS SEE SEPARATE BROCHURES)
- AUTOMATIC WIRE PAYOFF(250kg~2,000kg CAPACITY)

Sincere gratitude to KYODO ENGINEERING CO., LTD. for continuing technical collaboration

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**TAIHEI MFG. LTD.**

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