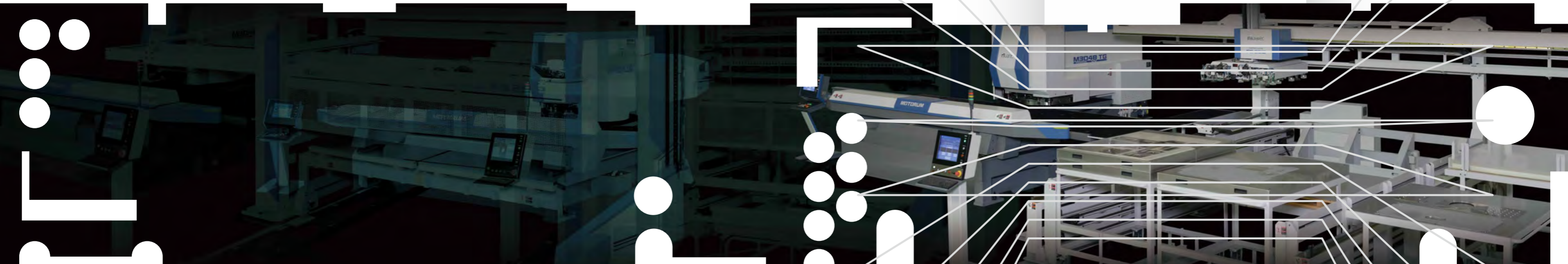


Sheet Metal Automation



* The machines shown in the catalogue include some optional items and may vary in appearance from the actual machines.
 * Specifications and designs are subject to change without prior notice.

MURATA MACHINERY, LTD.
MACHINE TOOLS DIVISION



International Business Dept.
 2, Nakajima, Hashizume, Inuyama-shi, AICHI 484-8502, JAPAN
 TEL: +81-(0)568-61-3645 FAX: +81-(0)568-61-6455

Headquarters
 136, Takeda-Mukaishiro-cho, Fushimi-ku, KYOTO 612-8686, JAPAN
 TEL: +81-(0)75-672-8138 FAX: +81-(0)75-672-8691
<https://www.muratec.co.jp>

MURATA MACHINERY USA, INC
 2120 Queen City Drive, P.O.Box 667609, Charlotte, N.C. 28208, U.S.A.
 TEL: +1-704-875-9280 FAX: +1-704-392-6541
<https://www.muratec-usa.com>

MURATA DO BRASIL, LTDA.
 Estrada de Santa Isabel, 3383-KM 38,5,
 Itaquaquetuba-SP, CEP 08599-000, BRASIL
 TEL: +55 (0)11-4648-6222 FAX: +55 (0)11-4648-6737
<http://www.muratec.com.br>
 e-mail: muratec@muratec.com.br

MURATA MACHINERY EUROPE GmbH
 Hanns-Martin-Schleyer-Strasse 3, D-47877, Willich, GERMANY
 TEL: +49-(0)2154-914-250 FAX: +49-(0)2154-914-283
 e-mail: info@muratec.de

MURATA MACHINERY (SHANGHAI) CO.,LTD
 [Registry Add]
 135 Fu Te Xi Yi Rd., Wai Gao Qiao Free Trade Zone,
 Pudong, Shanghai, CHINA
 TEL: +86-(0)21-6921-2300 FAX: +86-(0)21-6921-2331
 [Contact Add]
 150 Xin Gao Rd., Qingpu Industrial Zone,
 Shanghai, 201700, CHINA
 TEL: +86-(0)21-6921-2300 FAX: +86-(0)21-6921-2331

BEIJING BRANCH
 Rm. 309 Yu Lin Bldg., Xiang Jun Nan Li Er Xiang Jia No.5,
 Chaoyang-qu, Beijing, 100020, CHINA
 TEL: +86-(0)10-6597-3048 FAX: +86-(0)10-6591-1795

GUANGZHOU BRANCH
 Room 635, United Star Hotel, 172 Chang Gang Rd., C.,
 Guangzhou, 510250, CHINA
 TEL: +86-(0)20-8434-2882 FAX: +86-(0)20-8434-3463

MURATA (THAILAND) CO., LTD.
 898/43-44 SV CITY TOWER 2,25th Floor, Rama 3 Road
 Bangpoo, Yannawa, Bangkok 10120, THAILAND
 TEL: +66-(0)2294-7734-40 FAX: +66-(0)2294-7732

PT.MURATA MACHINERY INDONESIA
 Ruko Gyan Plaza D-4, Jl.Terusan Pasirkoja Blok 8,Bandung
 40222, INDONESIA
 TEL: +62-(0)22-6046633 FAX: +62-(0)22-6046612

MEIBAN ENGINEERING TECHNOLOGIES PVT.LTD.
 [An associate company of Murata Machinery, Ltd.]
 No 38, 7th Main, J.C. Industrial Estate, Yelachanahalli, Kanakapura Road,
 Bangalore -560 062 INDIA
 TEL: +91-(0)80-2686-0600 Fax: +91- (0)80-2686-0605
<http://www.meibanengg.com>
 e-mail: office@meibanengg.com

Simple and Compact design for sheet load / unload

SL1250



More flexible, longer unattended full sheet operation with blank / finished part storage

FS series

Tower type



Loader Systems

Compact, same side full sheet load / unload

FS series

Standard Load / Unload



Flexible finished parts sorting and stacking systems

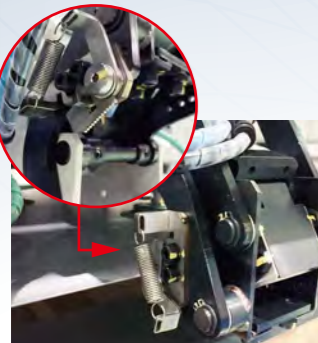
FG series

Sorting type



■ Magnets & serration

For reliable blank sheet separation.



■ Material edge detection

Errors in X-axis material stack loading are automatically offset by scanning to the sheet edge.



■ Multi pads

Non-ferrous and hole intensive parts can be consistently picked and sorted in FG systems.



■ Single sheet confirmation

Blanks are measured to confirm a single sheet is picked up.



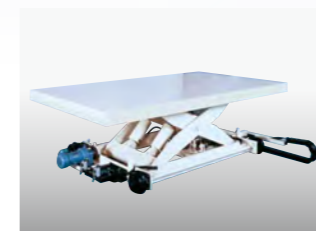
■ Material positioning

Loader positioning pads locate the sheet in the work holders with a high degree of accuracy.



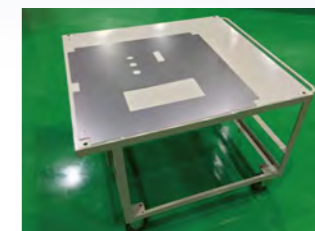
■ Scissor lift table

Automatically adjusts the finished part stack height for smooth and accurate unloading.



■ Additional finished parts carts (Option)

FG system parts can be sorted, stacked and efficiently transported to the next operation.

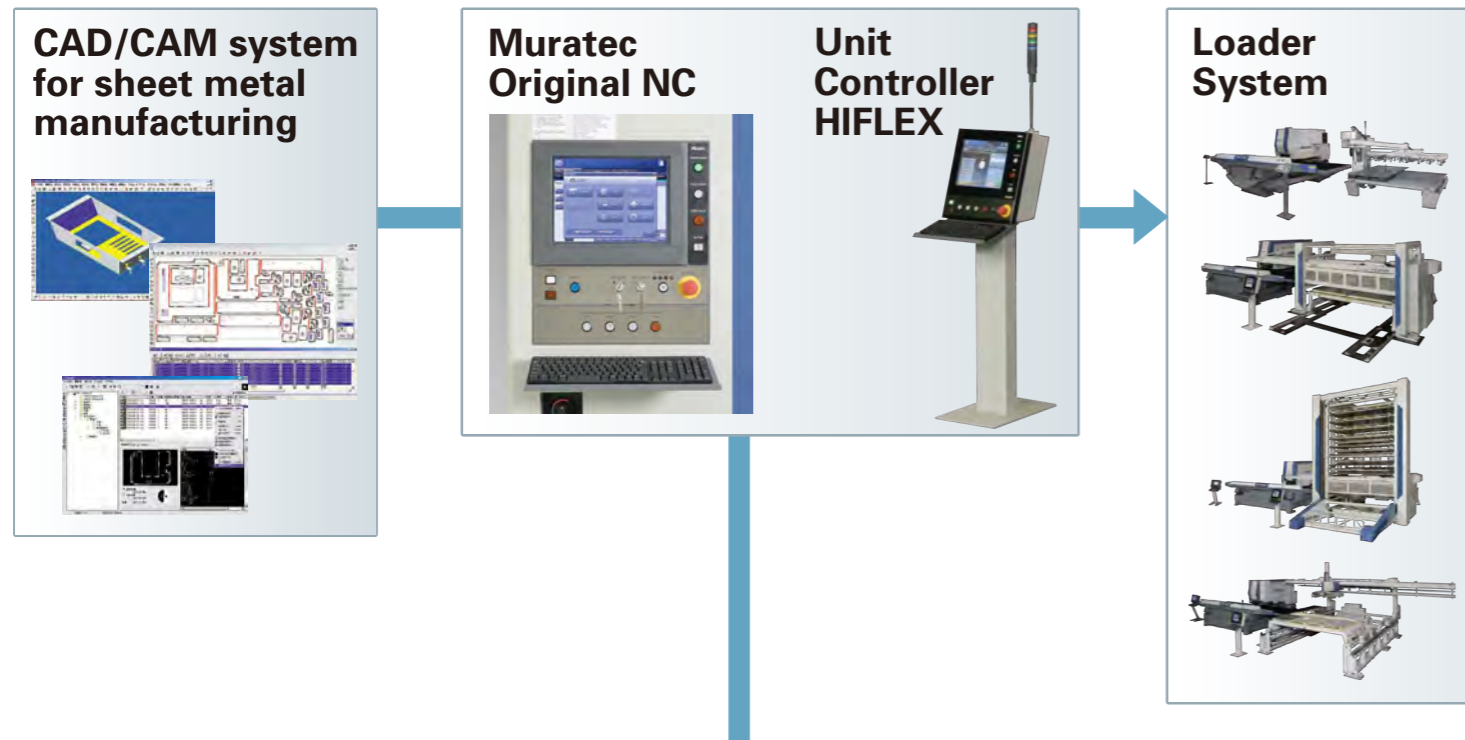


*Option is included in these pictures.

Muratec Automation will Increase your Productivity and Profits!

Muratec has a long history of industrial automation that dates back to the mid 50's. The automation offered in sheet metal processing today is a result of decades of experience delivering customer solutions.

Today's automated systems require diverse demands in application and production. Muratec has turnkey systems that provide the hardware and software to effectively process and manage from raw material to finished parts. Our cost effective systems can overcome variable production demands and large production runs.



Turret Punch Press

Wiedemann Style Tooling

Spring Style Tooling

MATE PRECISION TOOLING®
WILSON TOOL INTERNATIONAL®

Swing loader SL1250

Simple and Compact design for sheet load / unload



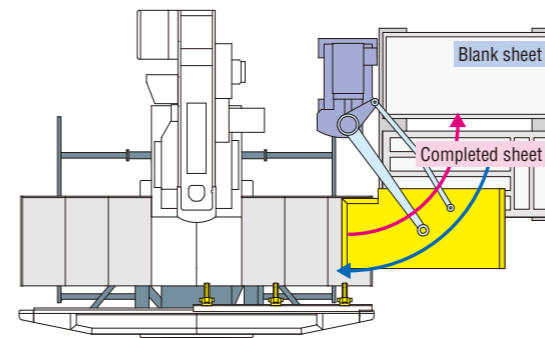
Applicable machine model

- M2048TE
- M2048TS

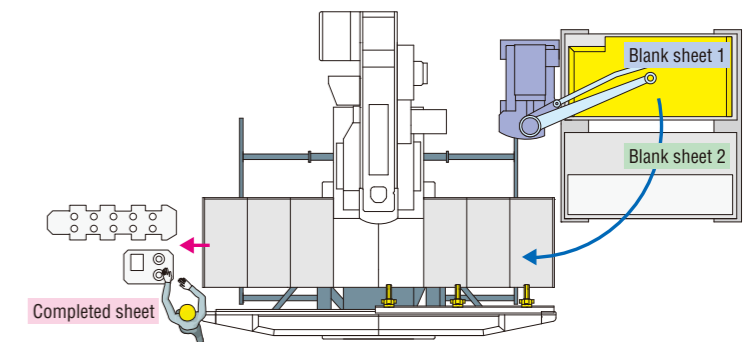
Features

- Automatic loading / Automatic unloading mode
- Automatic loading / Manual unloading mode

This mode is best for continuous operation of workpieces that have longer processing times per sheet.



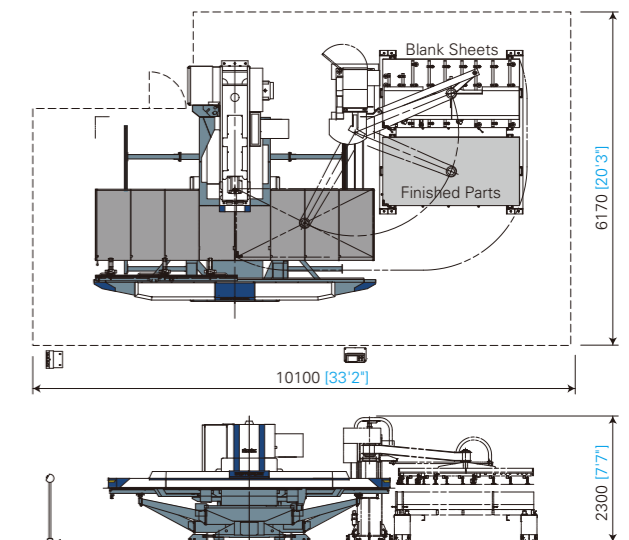
This system includes a standard mode for automatically loading material and manual unloading of the finished part by the operator. This mode is best for workpieces that are needed immediately for a post process, are not easily unloaded using vacuum pads, or are subject to damage if formed features are stacked on each other.



Specifications

		SL1250
Sheet size (Y x X)	Maximum	1250 mm x 2500 mm [49.21" x 98.43"]
	Minimum	300 mm x 750 mm [11.81" x 29.52"]
Material thickness		0.6 mm ~ 3.2 mm [0.02" ~ 0.13"]
Max. stack weight		3 tons
		[3.3 US tons(6600 LBS)]
Max. stack height (including wooden pallet)		320 mm
		[12.6"]
Compressed air	Quantity	400 NL/min (0.4 m³/min)
	Pressure	0.49 MPa (5.0 kgf/cm²) [71 PSI]
Power supply		3 kVA

*Above compressed air and power supply are excluding main machine's.



*The above illustrations show the example when combined with the turret punch press M2048TS.

Compact, same side full sheet load / unload



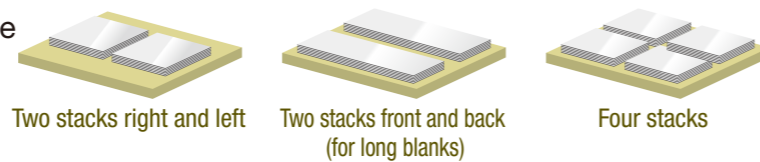
Applicable machine model

- M2048TE
- M2048TS
- M2548TS / M2558TS
- M3048TG / M3058TG
- M2048HL / M2558HL
- M5000

This picture shows when combined with M2048TS.

Features

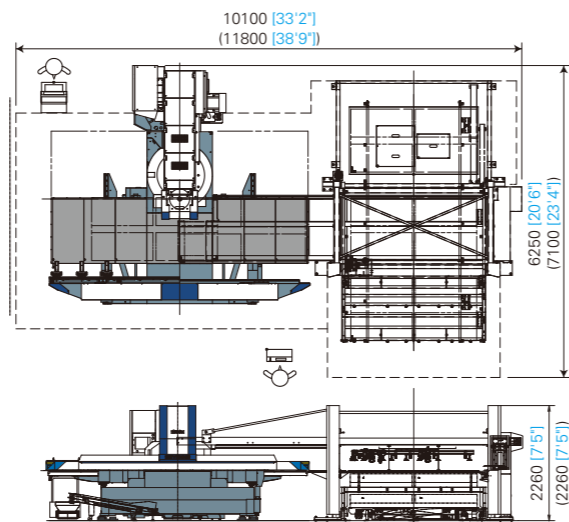
- Modular Design accommodates a Tower expansion when needed.
- Same side load / unload provides space saving compact design.
- Operator side is available for hot jobs and other manual operations.
- Multiple 2 or 4 stack configurations allow expanded automatic operation. (Option)
- Servo Motor Drive technology delivers accurate high speed blank positioning.



Specifications

		FS2512	FS3012	FS3015
Sheet size (Y x X)	Maximum	1250 mm x 2500 mm [49.21" x 98.43"]	1250 mm x 3050 mm [49.21" x 120.07"]	1525 mm x 3050 mm [60.03" x 120.07"]
	Minimum		300 mm x 750 mm [11.81" x 29.52"]	
Material thickness			0.6 mm ~ 4.5 mm [0.02" ~ 0.18"]	
Max. stack weight			2 tons [2.2 US tons]	
Max. stack height (including wooden pallet)		260 mm [10.23"]	235 mm [9.25"]	
Compressed air	Quantity	400 NL/min (0.4 m³/min)	600 NL/min (0.6 m³/min)	
	Pressure		0.5 MPa (5 kg/cm²) [71 PSI]	
Power supply		9 kVA		

*Above compressed air and power supply are excluding main machine's.



() : M3058TG & FS3015

*The above illustrations show the example when combined with the turret punch press M3048TG.

More flexible, longer unattended full sheet operation with blank / finished part storage

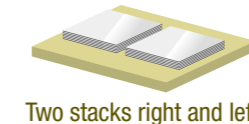
Applicable machine model

- M2048TE
- M2048TS
- M2548TS / M2558TS
- M3048TG / M3058TG
- M2048HL / M2558HL
- M5000



Features

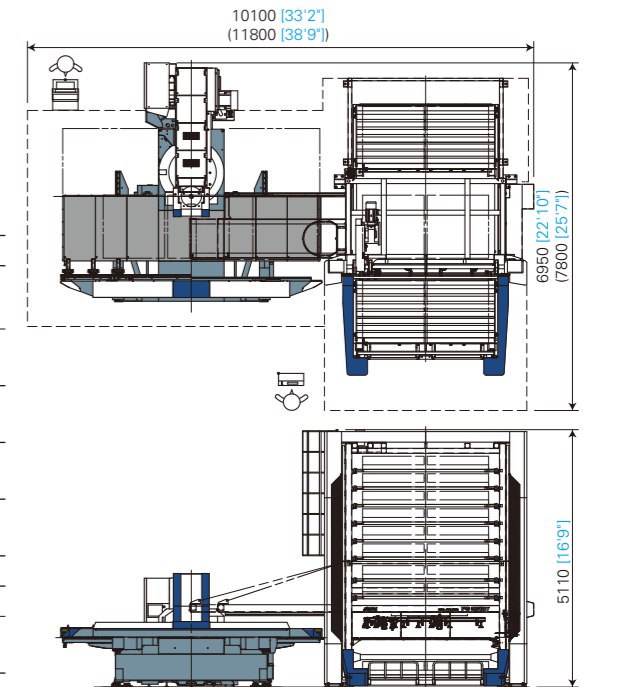
- Using the stocker elevator, material / part exchange can be done while the system is running.
- All drawers are available for material or finished parts.
- Material pallets can be scheduled for finished parts after they are emptied. If a material pallet empties before job completion, the system will continue to the next scheduled job.
- Multiple 2 stack configurations allow expanded automatic operation. (Option)



Specifications

		FS2512T	FS3012T	FS3015T
Sheet size (Y x X)	Maximum	1250 mm x 2500 mm [49.21" x 98.43"]	1250 mm x 3050 mm [49.21" x 120.07"]	1525 mm x 3050 mm [60.03" x 120.07"]
	Minimum		300 mm x 750 mm [11.81" x 29.52"]	
Material thickness			0.6 mm ~ 4.5 mm [0.02" ~ 0.18"]	
Max. stack weight			2 tons [2.2 US tons]	
Max. stack height (including wooden pallet)		260 mm [10.23"]	235 mm [9.25"]	
Number of shelves			6 or 8	
Compressed air	Quantity	400 NL/min (0.4 m³/min)	600 NL/min (0.6 m³/min)	
	Pressure		0.5 MPa (5 kg/cm²) [71 PSI]	
Power supply		16 kVA		

*Above compressed air and power supply are excluding main machine's.



() : M3058TG & FS3015T

*The above illustrations show the example when combined with the turret punch press M3048TG.

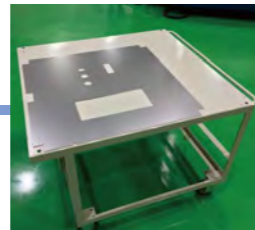
Flexible finished parts sorting and stacking systems



Applicable machine model

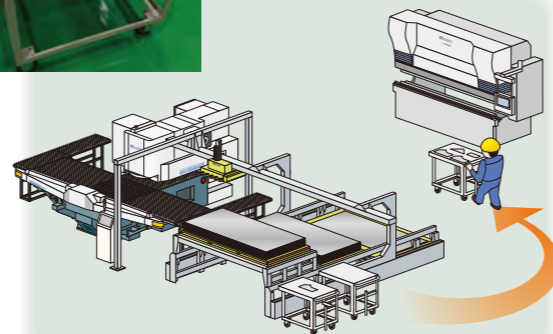
- M3048TG / M3058TG
- M2548TS / M2558TS
- M2048HL / M2558HL

External manual operated cart (Option)



Features

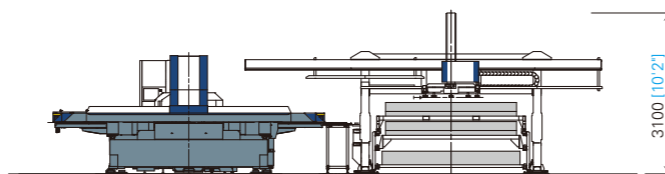
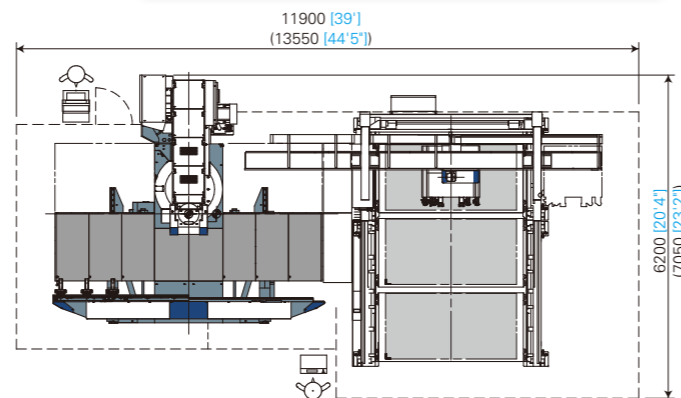
- Full Sheet or micro-jointless parts production.
- A variety of system configurations are available for customer's production requirements.
- Small parts up to full sheets can be unloaded.
- Flexible multi-pad loader configuration allows most part sizes and hole intensive parts to be picked up.
- System allows flexible stacking of parts, per nested layout, per next process, per kit, etc.



Specifications

		FG2512	FG3012	FG3015
Sheet size (Y x X)	Maximum	1250 mm x 2500 mm [49.21" x 98.43"]	1250 mm x 3050 mm [49.21" x 120.07"]	1525 mm x 3050 mm [60.03" x 120.07"]
	Minimum	300 mm x 500 mm [11.81" x 19.68"]		
Material thickness		0.6 mm ~ 4.5 mm [0.02" ~ 0.18"]		
Finished part size (Y x X)	Maximum	1250 mm x 2500 mm [49.21" x 98.43"]	1250 mm x 3050 mm [49.21" x 120.07"]	1525 mm x 3050 mm [60.03" x 120.07"]
	Minimum	100 mm x 80 mm [3.94" x 3.14"]		
Max. stack weight		2 tons [2.2 US tons]		
Max. stack height (including wooden pallet)		260 mm [10.23"]	235 mm [9.25"]	
	Compressed air Quantity	900 NL (0.9 m³/min)	1300 NL (1.3 m³/min)	
Pressure		0.5 MPa (5 kg/cm²) [71 PSI]		
Power supply		11 kVA		

*Above compressed air and power supply are excluding main machine's.



() : M3058TG & FG3015

*The above illustrations show the example when combined with the turret punch press M3048TG.

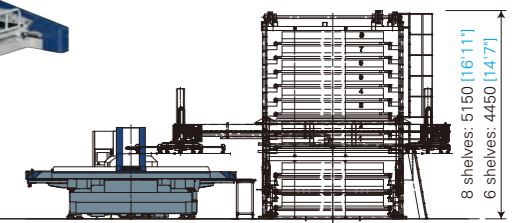
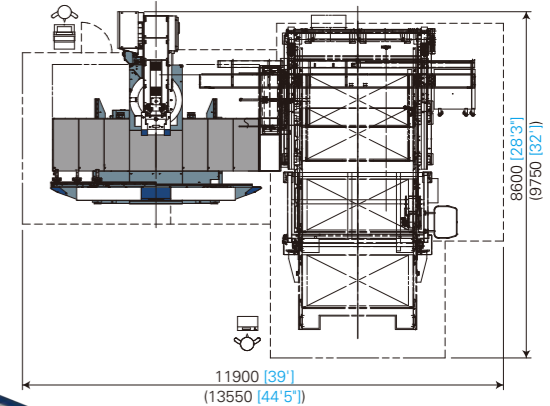
FG tower system



Shelves

This picture shows when combined with M2048HL.

Number of shelves 6 or 8

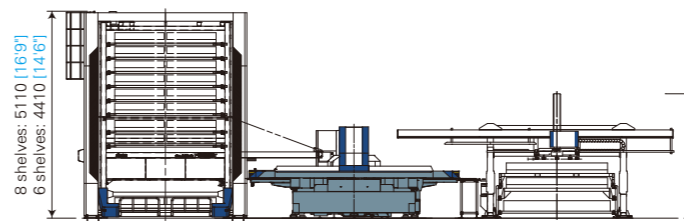
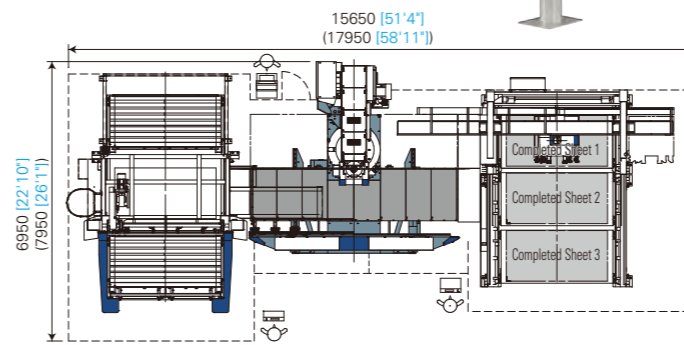


() : M3058TG & FG3015T

*The above illustrations show the example when combined with the turret punch press M3048TG.



This picture shows when combined with M3048TG.



() : M3058TG & FG3015T

*The above illustrations show the example when combined with the turret punch press M3048TG.

Tower for material and FG combination system

Shelves

Number of shelves 6 or 8

M2048TE



M2048TS



M2548TS / M2558TS



M3048TG / M3058TG



M2048HL / M2558HL



M5000



	M2048TE	M2048TS	M2548TS M2558TS	M3048TG M3058TG	M2048HL M2558HL	M5000
SL1250	●	●				
FS2512 / FS3012 / FS3015	●	●	●	●	●	●
FS2512T / FS3012T / FS3015T	●	●	●	●	●	●
FG2512 / FG3012 / FG3015			●	●	●	

