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**YWDS KOREA Co., Ltd.** Multi-bend system and multi-sign system have developed 13 models of automatic forming and channel production system for 31years.

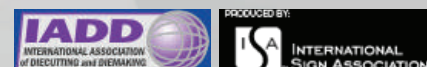
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Factory	: YOUNGWAH DIEBOARD SYSTEM Co., Ltd.
Address	: 492-33, Daemyeonghang-ro, Daegot-myeon, Gimpo-si, Gyeonggi-do, KOREA, ZIPCODE-10040
Telephone	: +82-31-985-4590
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Website	: <a href="http://www.ywds.com">www.ywds.com</a>
E-mail	: <a href="mailto:ywds@ywds.com">ywds@ywds.com</a>



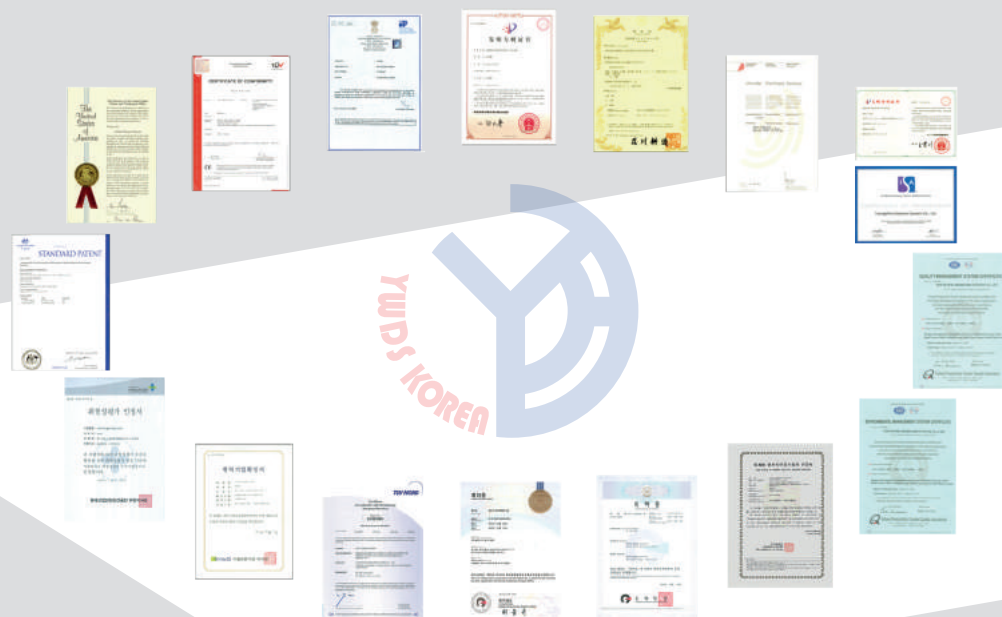
# Multi Bend System

## The Completed Solution

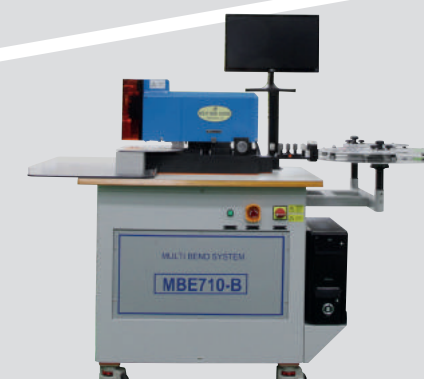
### Company Profile

2019	Multi-bending "SELLPY / X-PRESS" development	2009	"Free-Scratch" bending "MBM150-FB" development
2018	Multi-channel sign bending "MBM120-VMB" development	2009	ISA member registration
2018	Multi-CNC plotter "ALPHA, BETA" development	2007	Development of multi module system
2018	Multi-laser welder "GAMMA series" development	2007	Developed multi-channel sign bending
2017	ISA member registration	2007	Development of multi flash bending "MBF240-B"
2017	IADD member registration	2006	Development of Multi laser processing machine
2016	Multi-bending "ADP32-GW" development	2005	Development of multi rotary bender
2015	Multi-CNC router "MCR1224" development	2001	Multi-advantage bender system development
2014	Multi-channel sign bending "MBM160-VMB" development	2000	ISA member registration
2013	Inauguration of President Park Young-keun	1998	Conversion of YoungWha Dieboard System Co., Ltd.
2012	Multi-channel sign bending "MBM120-MB" development	1995	Development of automatic bender with cutting function
2011	Multi-channel sign bending "MBM160-VFB" development	1991	Started to develop automatic bending machine
2010	46 international patents related to 2010 multi-channel sign bending Registered as YoungWha Dieboard System Co., Ltd.	1987	YoungWha Dieboard System established

### Certificates and Patents



**AD/ADP Series**



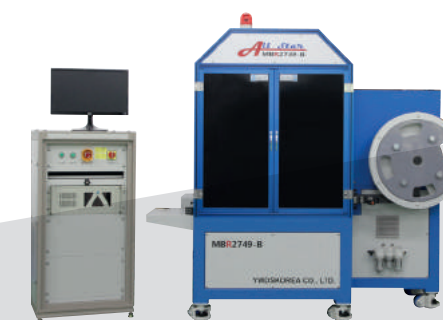
**MB Series**



**SELLPY / X-PRESS Series**



**MCE Series**



**MBR Series**



# SELLPY / X-PRESS Series

Multi Bend X-Press Special  
Automatic Steel Rule Bender & Processor



## FEATURES

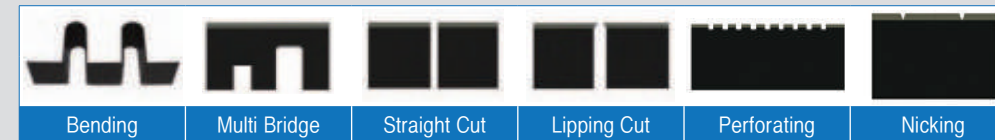
- Technologically powerful pneumatic system for all operations such as Cutting, Lipping, Bridging, Perforating, Nicking and Broaching
- Maximum eight user-selectable double-side mold system can be applied to a wide range of production environments
- Patented 3rd stage broaching system can be operated rapidly without changing the tooling
- Software/servo based variable depth control for broaching, nicking and perforation
- Self-diagnostics in the program can automatically protect any potential damage of machine
- Software imports industry standard CAD file formats (DWG, DXF, NC, CFF2, DDES2)

## TECHNICAL SPECIFICATIONS

	SELLPY SERIES		X-PRESS SERIES
Broaching System	No		Yes
Max. Rule Thickness & Height	Customized Model Up to 3PT x 24mm(0.94")	Standard Model Up to 4PT x 32mm(1.25")	Specialized Model Up to 3PT x 52mm(2.04")
Min. Bend Length	2mm(0.078")		
Computer	Base on Window10 / with Color LED monitor		
Dimensions	2,030mm W x 820mm D x 1,400mm H / 79" x 32" x 55"		
Power Requirements	Single Phase 220V, 15A, 5KVA, 50-60Hz		
Air	1CFM at 7bars		
Weight	750kg		

All specifications subject to change without notice

## BASIC FUNCTIONS



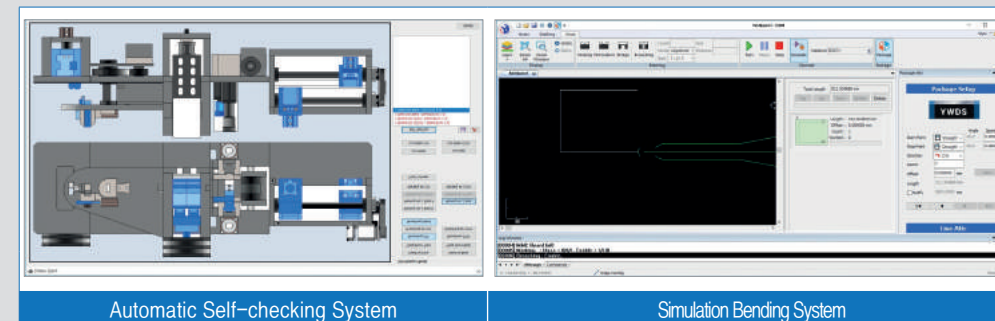
## BROACHING SYSTEM



Min. arc radius for 0.7mm thickness rule 90 bending : 0.05mm

Arc bending after broaching with wide broaching

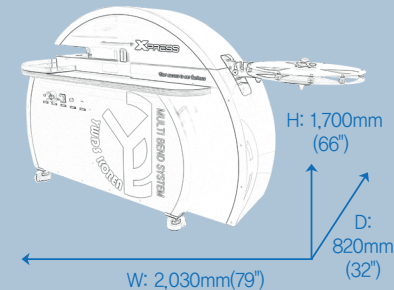
## SOFTWARE ADVANTAGES



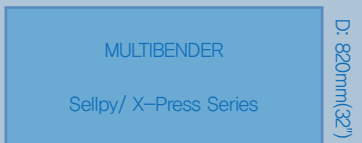
Automatic Self-checking System

Simulation Bending System

## Overall Dimensions



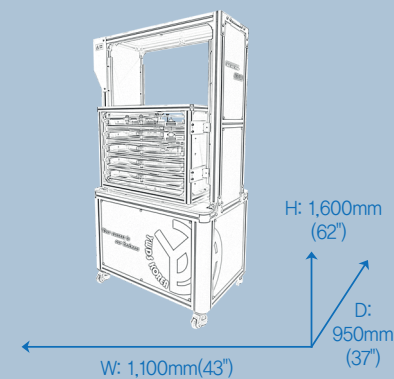
W: 2,030mm(79")



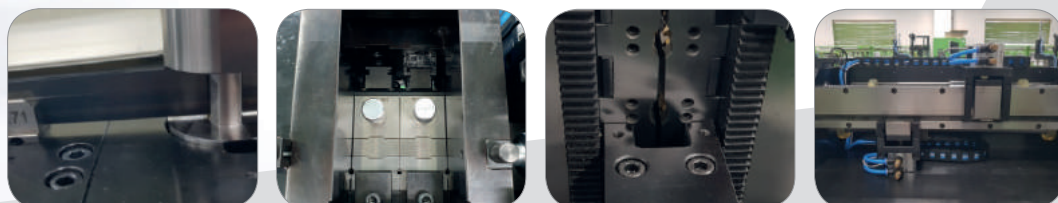
## OPTION

### ATR50(Auto Rule Cassette: 5 lines)

- Possible to install max.5 different types of rule and crease
- Easy operation with one touch button type
- Separate from machine body and easy to move



## SELLPY/ X-PRESS Series Parts



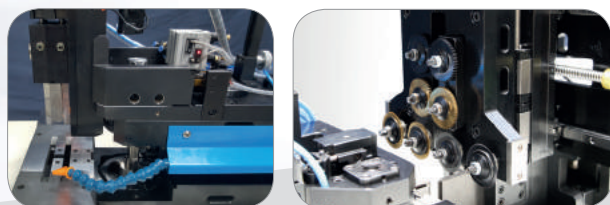


# ADP 24/32-GW/RW

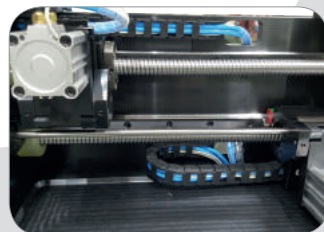
Multi Bend Advantage Plus  
Automatic Steel Rule Bender & Processor



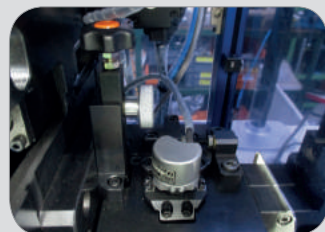
## ADP Series Parts



## Grabber Type(GW)



## Roller Type(RW)



## FEATURES

- All in one machine for Bending, Cutting, Lipping, Bridging, Perforating, Broaching and Nicking
- Upgraded multi wheel system for Broaching, Perforation and Nicking
- 8 different kinds of wheels and functions are available by fully automated servo control
- Broaching depth can be controlled automatically by software setting easily(sharp / wide)
- Stable grabber feeding system
- Low maintenance cost with long lasting wheels
- Software imports industry standard CAD file formats (DWG, DXF, NC, CFF2, DDES2)
- Multi Language Operations (Korean, English, Japanese, Chinese, etc)

## TECHNICAL SPECIFICATIONS

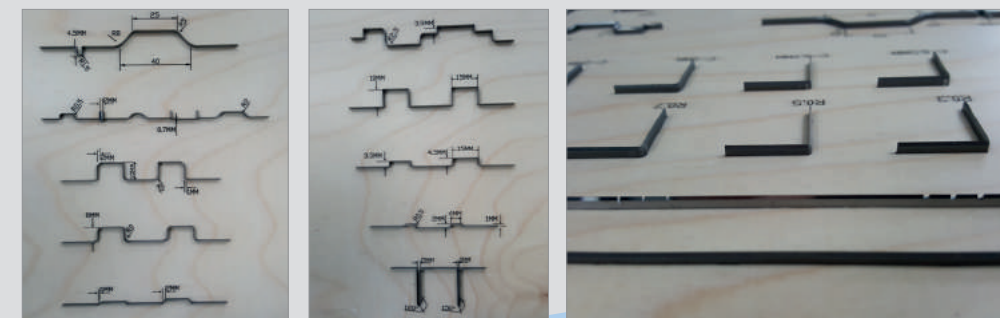
	ADP24-GW/RW	ADP32-GW/RW
Thickness	1, 1.5, 2 & 3 pt Rule / Crease	1, 1.5, 2, 3 & 4 pt Rule / Crease
Height	up to 24mm(0.94")	up to 32mm(1.25")
Min. Bend Length	2mm(0.078")	2mm(0.078")
Min. Cut Length	1mm(0.039")	1mm(0.039")
Computer	Window based PC / with Color LED monitor	
Dimensions	2,800mm W x 1,200mm D x 1,700mm H / 110" X 47" X 66"	
Power Requirements	3Phase 220V / 380V, 15A, 5KVA, 50~60Hz	
Air	1CFM at 6bars	
Weight	750kg	

All specifications subject to change without notice

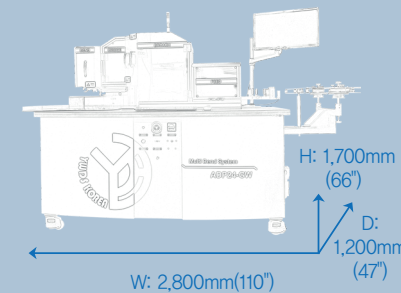
## BASIC FUNCTIONS

Bending	Multi Bridge	Straight Cut	Lipping Cut
Perforating	Nicking	Sharp Broaching	Wide Broaching

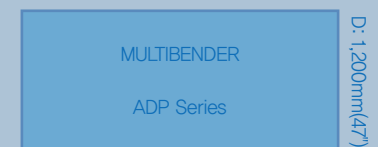
## SAMPLES



## Overall Dimensions



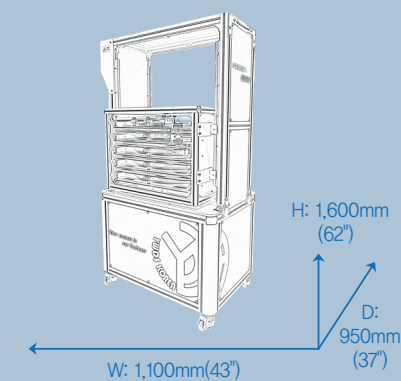
W: 2,800mm(110")



## OPTION

### ATR50(Auto Rule Cassette: 5 lines)

- Possible to install max.5 different types of rule and crease
- Easy operation with one touch button type
- Separate from machine body and easy to move



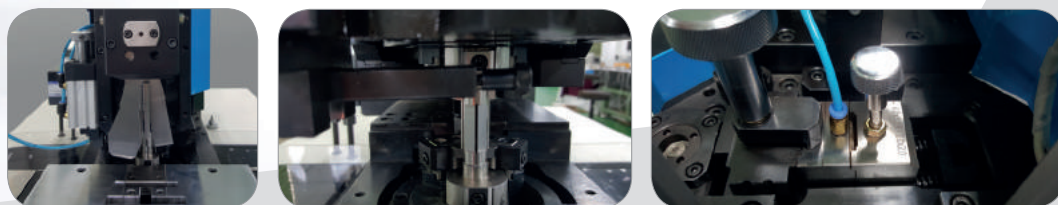


# AD 240/320/520-B/BB

Multi Bend Advantage  
Automatic Steel Rule Bender & Processor



## AD Series Parts



## FEATURES

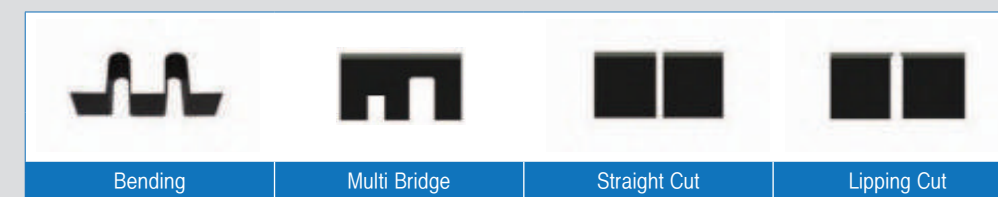
- All in one machine for Bending, Cutting, Lipping, Bridging, Perforating, Broaching and Nicking
- Internationally patented "Bend First, Cut Last" technology ensures accurate processing with no waste
- Quick changing tooling
- Software imports industry standard CAD file formats (DWG, DXF, NC, CFF2, DDES2)
- Multi Language Operations (Korean, English, Japanese, Chinese, etc)

## TECHNICAL SPECIFICATIONS

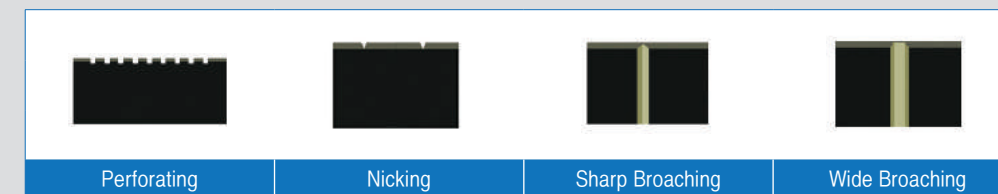
	AD240-B/BB	AD320-B/BB	AD520-B
Thickness	1, 1.5, 2 & 3 PT Rule / Crease	1, 1.5, 2, 3 & 4 PT Rule / Crease	1, 1.5, 2, 3 & 4 PT Rule / Crease
Height	up to 24mm(0.94")	up to 32mm(1.25")	up to 52mm(2.04")
Min. Bend Length	2mm(0.078")	2mm(0.078")	2mm(0.078")
Min. Cut Length	1mm(0.039")	1mm(0.039")	1mm(0.039")
Computer	Window based PC / with Color LED monitor		
Dimensions	3,500mm W x 1,150mm D x 1,500mm H / 137" X 45" X 59"		
Power Requirements	3Phase 220V / 380V, 15A, 5KVA, 50~60Hz		
Air	1CFM at 6bars		
Weight	700kg		

All specifications subject to change without notice

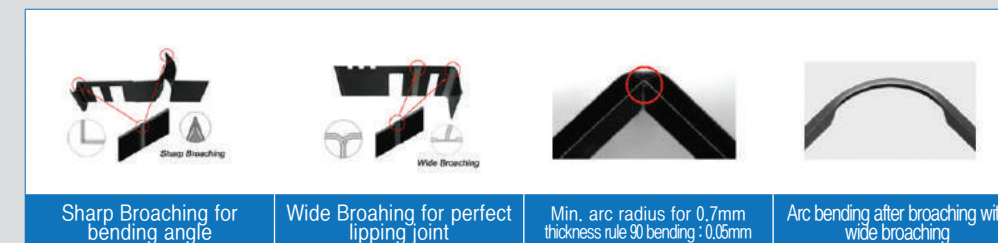
## BASIC FUNCTIONS



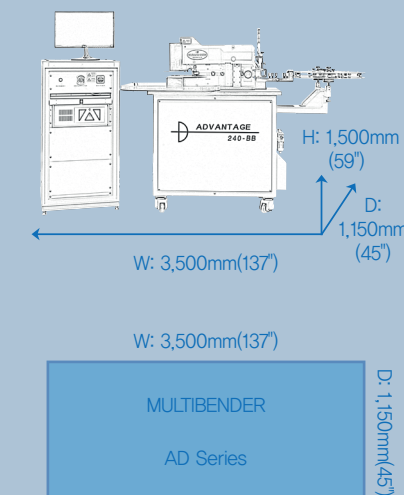
## OPTIONAL FUNCTIONS



## BROACHING SYSTEM



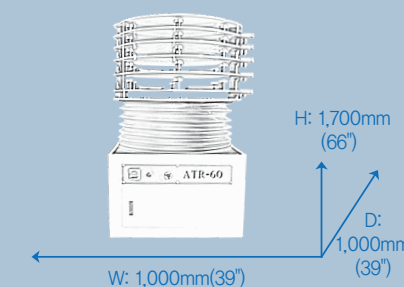
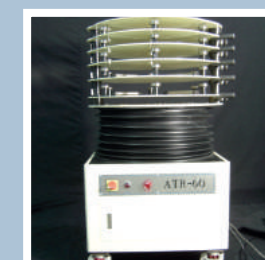
## Overall Dimensions



## OPTION

### ATR60(Auto Rule Cassette: 6 lines)

- Possible to install max.6 different types of rule and crease
- Easy operation with one touch button type
- Separate from machine body and easy to move



# MBA 710-B

Multi Bend Plus  
Automatic Steel Rule Bender & Processor



## FEATURES

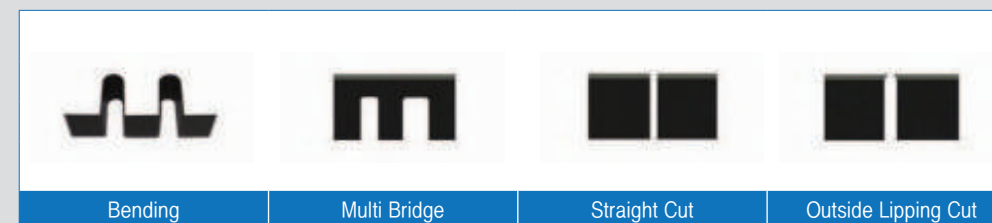
- The most reasonable and economical bending machine for Bending, Cutting, Notching and Lipping
- Internationally patented "Bend First, Cut Last" technology ensures accurate processing with no waste
- Quick changing tooling
- Software imports industry standard CAD file formats (DWG, DXF, NC, CFF2, DDES2)
- Multi Language Operations (Korean, English, Japanese, Chinese, etc)

## TECHNICAL SPECIFICATIONS

	MBA710-B
Thickness	1, 1.5, 2 & 3PT Rule / Crease
Height	up to 24mm(0.94")
Min. Bend Length	2.5mm(0.098")
Min. Cut Length	1mm(0.039")
Computer	Window based PC / with Color LED monitor
Dimensions	2,150mm W x 900mm D x 1,700mm H / 84" x 35" x 66"
Power Requirements	Single Phase 220V, 15A, 5KVA, 50~60 Hz
Air	1CFM at 6bars
Weight	550kg

All specifications subject to change without notice

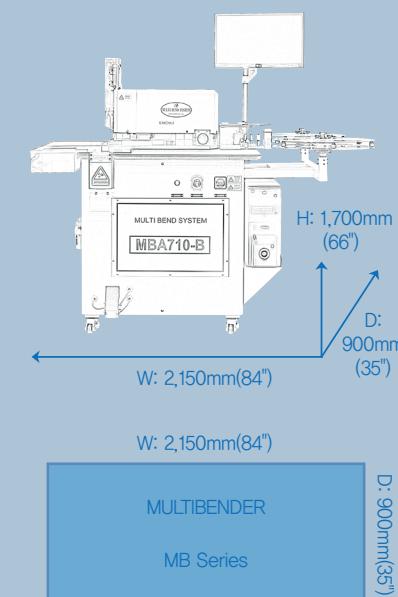
## BASIC FUNCTIONS



## SAMPLES



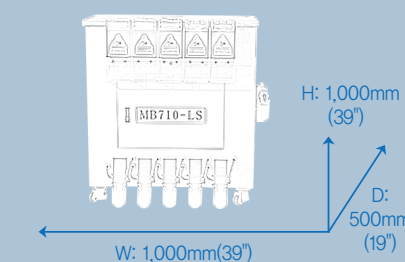
## Overall Dimensions



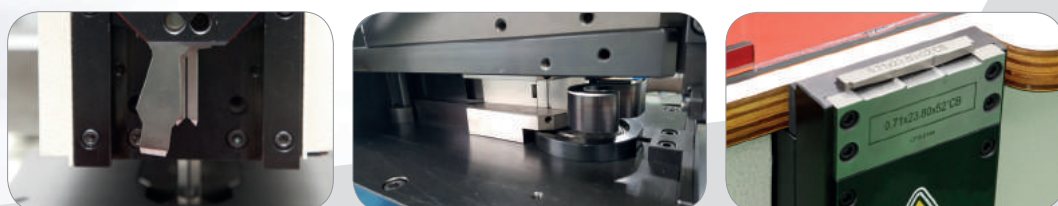
## OPTION

### MB710-LS(Lipping station)

- Max. 5 Lipping tools for different rules can be installed by customer's order
- Enable rule type :  
Height 8 ~32mm(0.31"~1.25")  
Thickness 0.45~1.07mm(0.014"~0.042")



## MB Series Parts





# MBA 450-BB

Multi Bend Plus  
Automatic Steel Rule Bender & Processor



## FEATURES

- The most accurate bending system for Label bending
- Enable to insert broaching function for sharp bending easily on the position
- High precision bending for die making (electronic die board, die board stickers and so on)
- Quick changing tooling
- Compact design, small space requirement
- Software imports industry standard CAD file formats (DWG, DXF, NC, CFF2, DDES2)
- Multi Language Operations (Korean, English, Japanese, Chinese, etc)

## TECHNICAL SPECIFICATIONS

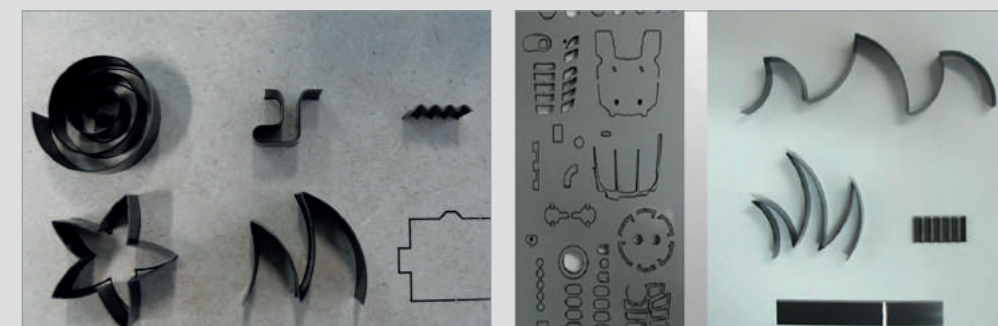
	MBA450-BB
Thickness	1, 1.5pt
Height	6mm(0.23") ~ 12mm(0.47")
Min. Bend Length	1.5mm(0.059")
Min. Cut Length	1mm(0.039")
Basic Function	Bending, Cutting, Broaching
Computer	Window based PC / with Color LED monitor
Dimensions	1,800mm W x 750mm D x 1,600mm H / 70" x 29" x 62"
Power Requirements	Single Phase 220V, 15A, 5KVA, 50~60 Hz
Air	1CFM at 6bars
Weight	450kg

All specifications subject to change without notice

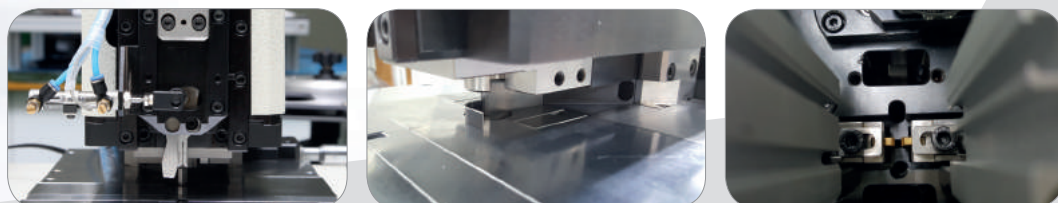
## BROACHING SYSTEM



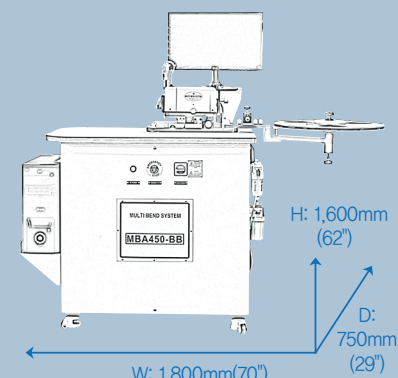
## SAMPLES



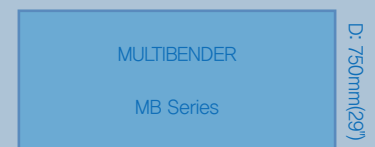
### MB Series Parts



Overall Dimensions



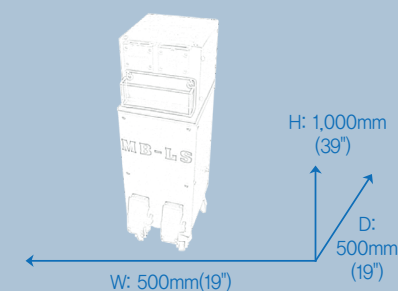
W: 1,800mm(70")



## OPTION

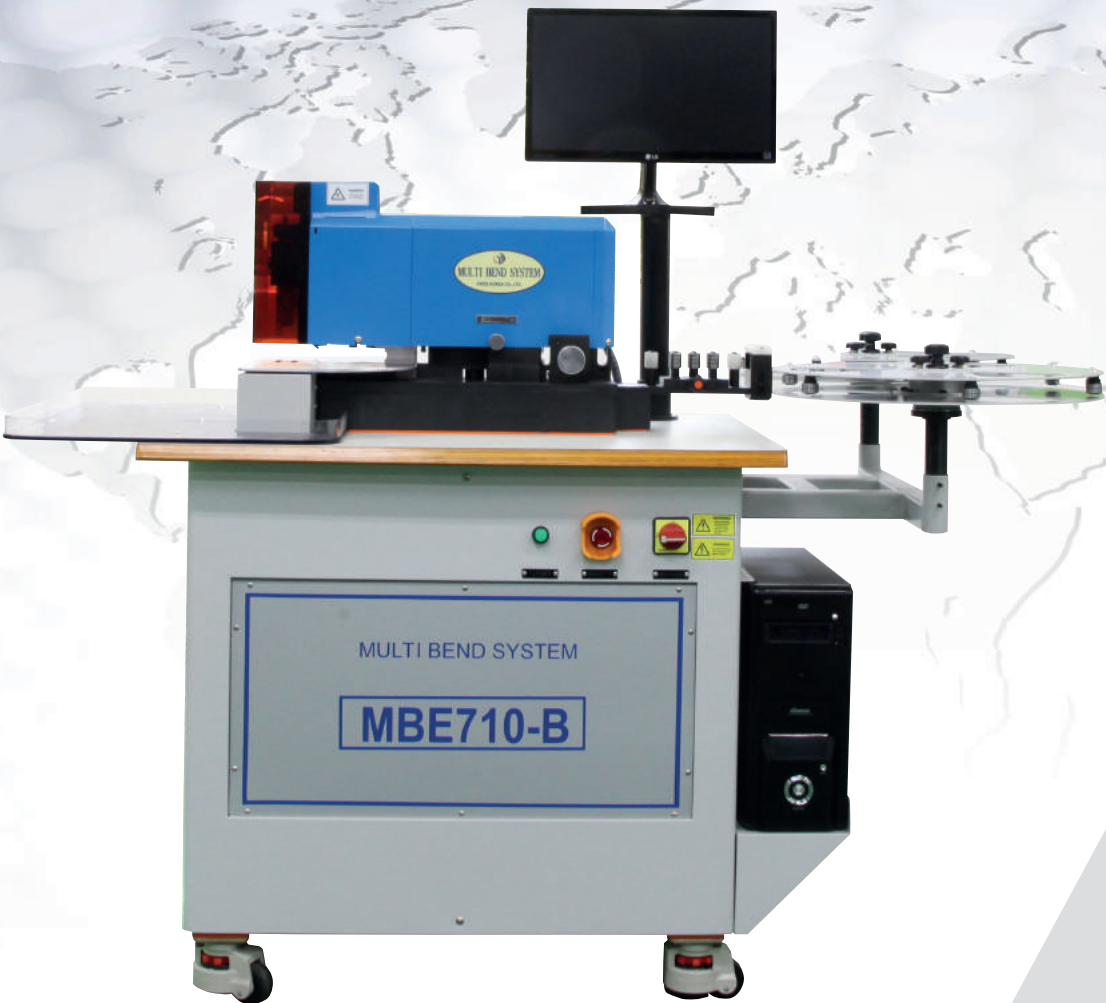
### MB450-LS

- Lipping and bridge tools for label rules



# MBE 710-B

Multi Bend Express  
Automatic Steel Rule Bender & Processor



## FEATURES

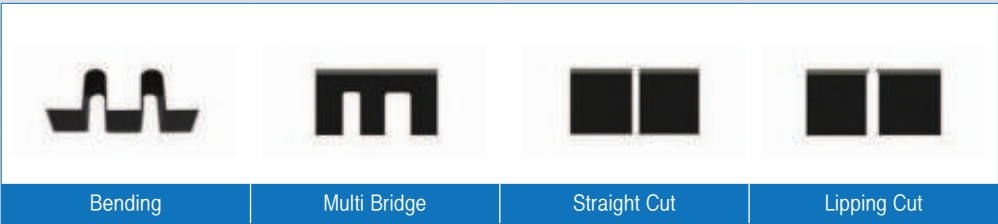
- The most reliable and economical bending machine for Bending, Notching and Lipping Cutting
- Fully automated straight and lipping cutting system by servo control
- Software imports industry standard CAD file formats (DWG, DXF, NC, CFF2, DDES2)
- Multi Language Operations (Korean, English, Japanese, Chinese, etc)

## TECHNICAL SPECIFICATIONS

	MBE710-B
Thickness	1, 1.5, 2 & 3PT Rule / Crease
Height	up to 24mm(0.94")
Min. Bend Length	2.5mm(0.098")
Min. Cut Length	1mm(0.039")
Computer	Window based PC / with Color LED monitor
Dimensions	2,150mm W x 900mm D x 1,700mm H / 84" x 35" x 66"
Power Requirements	3Phase 220V / 380V, 15A, 5KVA, 50~60Hz
Air	1CFM at 6bars
Weight	550kg

All specifications subject to change without notice

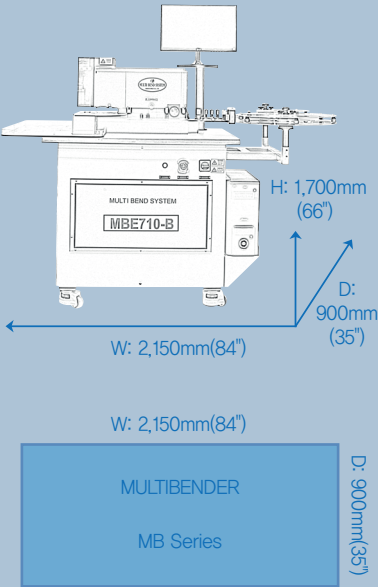
## BASIC FUNCTIONS



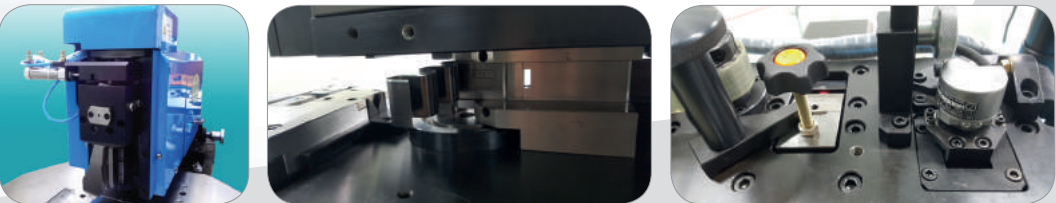
## SAMPLES



## Overall Dimensions



## MB Series Parts





# MCE 240-C

Multi Cut System  
Automatic Steel Rule Cut & Processor



## FEATURES

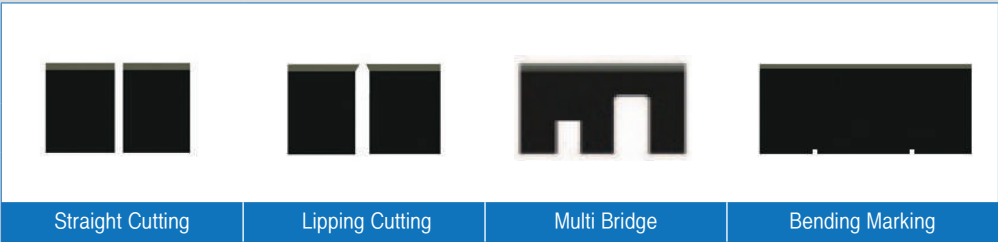
- The world's first multi mold control by servo motors for high accurate and speedy work
- Software imports industry standard CAD file formats (DWG, DXF, NC, CFF2, DDES2)
- User-friendly window multi program
- Able to select the Cutting rule and Crease rule
- No loss of rules by efficient cutting procedure
- Easy to exchange the tool
- Movable rule cassette(up to 5lines)
- Applied international patent

## TECHNICAL SPECIFICATIONS

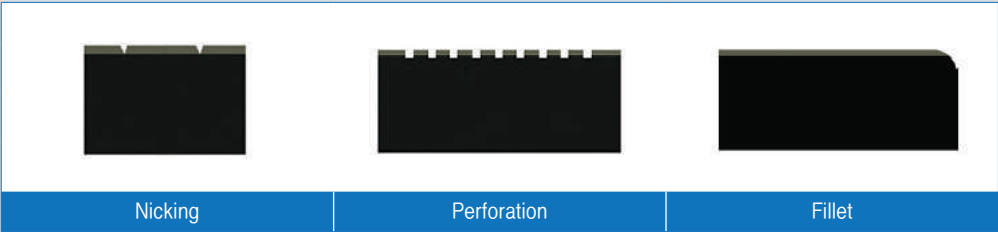
	MCE240-C
Thickness	1, 1.5, 2, 3 & 4PT Rule / Crease
Height	7mm(0.27") ~ 24mm(0.94")
Computer(Included)	Window based PC / with Color LED monitor
Dimensions	1,850mm W x 850mm D x 1,500mm H / 72" x 39" x 66"
Power Requirements	3Phase 220V / 380V, 15A, 5KVA, 50~60Hz
Air	1CFM at 6bars
Weight	600kg

All specifications subject to change without notice

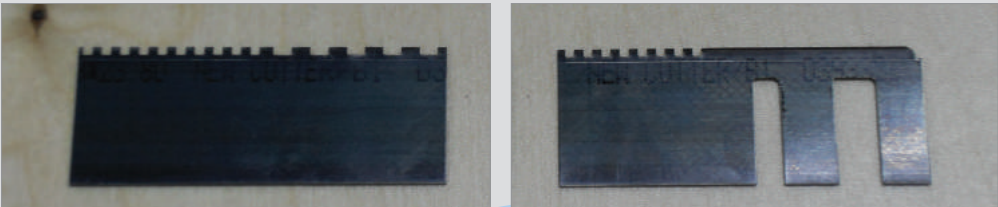
## BASIC FUNCTIONS



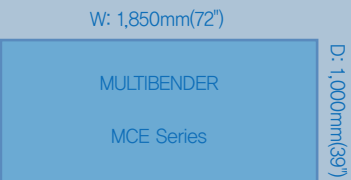
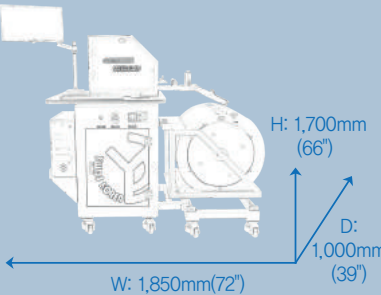
## OPTIONAL FUNCTIONS



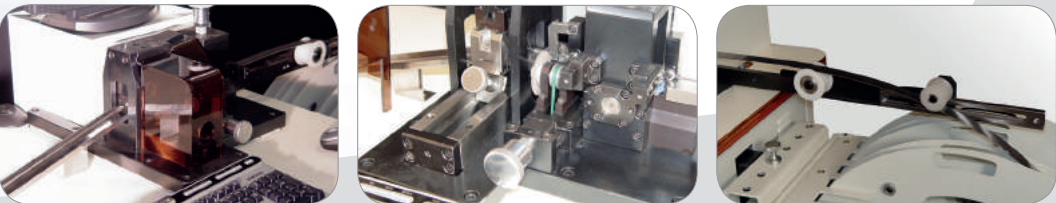
## SAMPLES



## Overall Dimensions



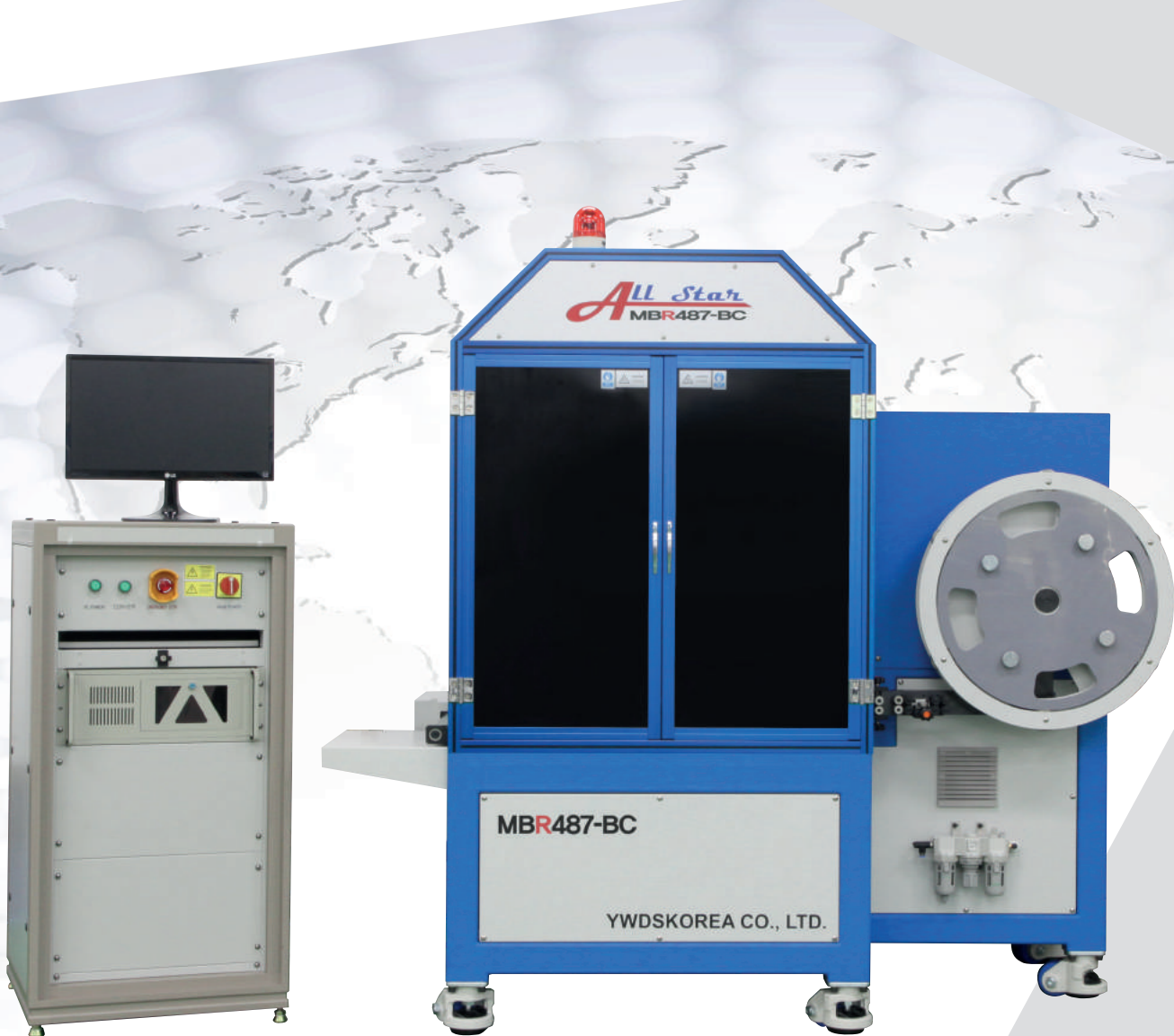
## MCE Series Parts





# MBR 487-BC

Multi Rotary Bender  
Automatic Steel Rule Bender for 487 Diameter



## FEATURES

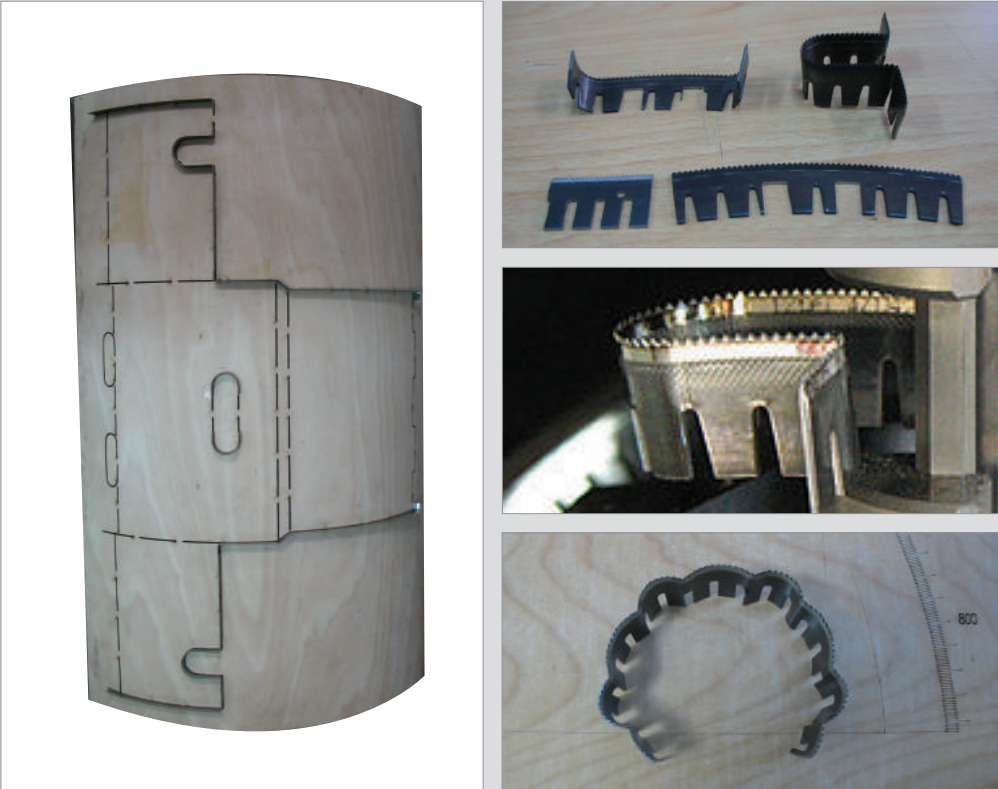
- Automatic Steel Rule Bender & Processor
- Bending, Cutting, Lipping, Bridging, and Notching all in line
- High accurate and speedy work without rule waste
- Software imports industry standard CAD file formats (DWG, DXF, NC, CFF2, DDES2)
- Multi Language Operations (Korean, English, Japanese, Chinese, etc)

## TECHNICAL SPECIFICATIONS

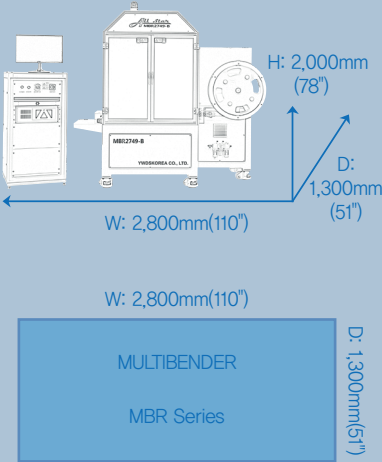
	MBR487-BC
Thickness	3PT~4PT
Height	25mm(0.984")
Diameter	487mm(19.17")
Min. Cut Length	3mm(0.118")
Min. Bend Length	3mm(0.118")
Basic Function	Bending, Straight Cutting, Lipping Cutting, Multi Bridging
Computer(Included)	Window based PC / with Color LED monitor
Dimensions	2,800 W x 1,300mm D x 2,000mm H / 110" x 51" x 78"
Power Requirements	3Phase 220V / 380V, 15A, 5KVA, 50~60Hz
Air	1CFM at 6bars
Weight	910kg

All specifications subject to change without notice

## SAMPLES



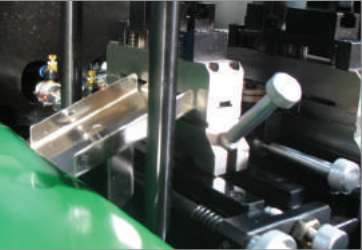
## Overall Dimensions



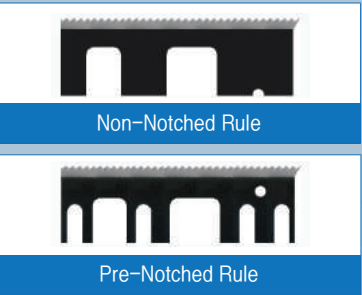
## OPTION

### MBR487-C

- Multi Cutting System for Straight Rotary Rule
- Straight Cutting, Lipping Cutting, Multi Bridging, Bending Pint Marking
- Enable to make bending marking on the position as you want according to using rule type
- Conveyor system for working pieses out



## SAMPLE(MBR487-C)



## MBR Series Parts





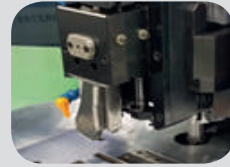
# Technical Details

## Cutting Type



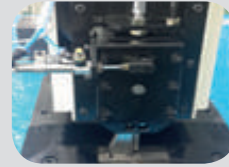
Last Half Cut

SELLPY/X-PRESS Series



Last Lip/Str. Cut

AD/ADP/MBE Series



Last Straight Cut

MBA Series

## Bending Type



BBS Type

SELLPY/X-PRESS Series



Two Pin Type

AD/ADP Series



One Pin Type

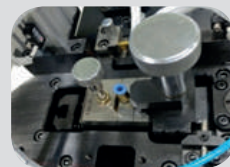
MBA/MBE Series

## Molding Type



Adjustable Dual Multi Mold

SELLPY/X-PRESS Series



Adjustable single Multi Mold

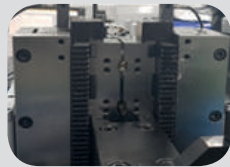
AD/ADP Series



Fixed Multi Mold

MBA/MBE Series

## Broaching Type



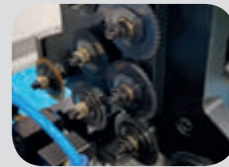
3rd Stage Bite

SELLPY/X-PRESS Series



Single Bite

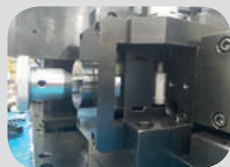
AD Series



Wheel

ADP Series

## Feeding Type



Roller

AD/ADP-RW/MBA/MBE Series



Grabber

SELLPY/X-PRESS/ADP-GW Series

# Multi CNC System

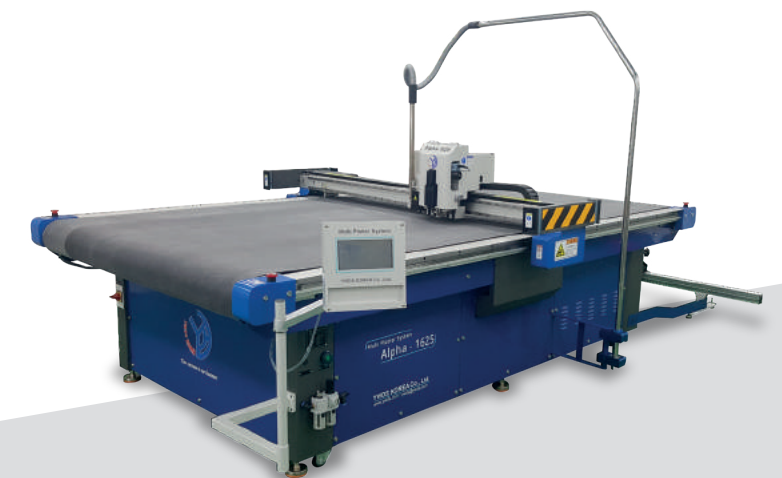
## The Completed Solution



**MLS Series**

## Multi Plotter Series

- ALPHA Series
- BETA Series



# MLS 1218/1224

Multi Laser System  
CO2 Laser Cutting system



## FEATURES

- Precise processing with extremely sensitive ball screws
- Compact design, small space requirement
- Highly effective exhaust system with optimized dust collector device
- Easy to adjust the focus head height during working with Auto Focus Head
- Maximized moving speed with flying optic type
- Maximized cutting efficiency with development of MLS/CAM software
- Easy to exchange focus lens for 5" and 7.5" by special design
- Clean system concept considering operator's health and environment

## TECHNICAL SPECIFICATIONS

	MLS 1218	MLS 1224
Processing Range	1,200mm x 1,200mm / 1,200mm x 1,800mm (47.24" x 47.24" / 47.24" x 70.86")	1,200mm x 2,400mm / 1,800mm x 2,400mm (47.24" x 94.48" / 70.86" x 94.48")
Main Frame Structure	Hybrid Type	
X/Y Axis Position Accuracy	± 0.05/1000(mm)	
Repeat Position Accuracy	± 0.03	
Max Moving Speed	2.5m/min(DC015 Type, 18mm Wood)	
Cutting Speed	2PT CUT 18mm Wood	2,200mm(86.62")/min(DC015 Type) 2,000mm(78.74")/min(DC010 Type) 1,800mm(70.86")/min(scx60 Type)
Focal Lens	Standard 7.5", Opt 5"	
All capability of Machine	5 KVA	
Power Requirements	3Phase 380V, 50~60Hz, 30A	
Software	CAM: MLS/Windows based software	
Cooling System Type	Water Cooling	
Size(MLT1224 Standard)	5,500mm W x 4,500mm D x 2,000mm H / 216.53" x 177.16" x 78.74"	

All specifications subject to change without notice

## ROFIN LASER GENERATOR

Technical Specifications of MLS Series	
Rated Output Laser Power	DC010(1,000W)/DC015(1,500W)/DC020(2,000W)
Max Cutting Depth	22mm(0.86")
Stability of Laser Power	±1% with active stabilization
Polarization	Linear, Parallel to base
Laser Gas	ROFIN-SINAR Special-Premix
Electrical Ratings	3Phase 380V / 220V, 60Hz, 30A
Cooling System Type	Water Cooling

## SAMPLES



### Multi Laser System Parts





# Multi Plotter Series

Multi Plotter System  
Automatic Plotter & Processor



## FEATURES

- Up to 7 tools can be freely modified and replaced according to the application
- Utilizes a variety of cutting blades and vibration tools to precisely cut up to 55mm(2.16") of material
- Utilizing V-cutting tool to cope with materials such as corrugated board and honeycomb
- Optimized 75,000 RPM milling tool can process various materials
- The registration function using the CCD automatically detects the cutting position and processes the material with minimum error
- Easy-to-use operational interface for easy working time and ease of operation
- Two selectable table types make it possible for customers to adapt to the right industrial equipment

## TECHNICAL SPECIFICATIONS

Model	Conveyor type	ALPHA 1015	ALPHA 1318	ALPHA 1625
	Flat type	BETA 1015	BETA 1318	BETA 1625
Weight		600kg	850kg	950kg
Power Requirements		3 Phase 380V / 60A / 10.0Kw		
Compressor Specification		5HP 6 bar (87Pai/0.6Mpa/6.1kgf/cm2) 1CFM		
Installation size		2,000 x 2,000mm / 78.74" x 78.74"	2,000 x 2,500mm / 78.74" x 98.42"	2,400 x 4,200mm / 94.48" x 165.35"
Working area		1,000 x 1,500mm / 39.37" x 59.05"	1,300 x 1,800mm / 51.18" x 70.86"	1,600 x 2,500mm / 62.99" x 98.42"
Vacuum pump specification		10HP 7.5Kw	10HP 7.5Kw	12HP 9.0Kw
Position accuracy		± 0.05mm		
Maximum cutting depth		Up to 55mm(2.16")		
Cutting speed		Up to 1200mm(47.24")/s		
Cutting material		Acrylic, PVC / PE, Plastic, Leather, Textile, Corrugated cardboard, Vinyl, Rubber, Sponge, Automotive interior, Gasket, and etc		

All specifications subject to change without notice

## FUNCTIONS

### Mult Plotter Head Parts



## SAMPLES



### Multi Plotter System Parts

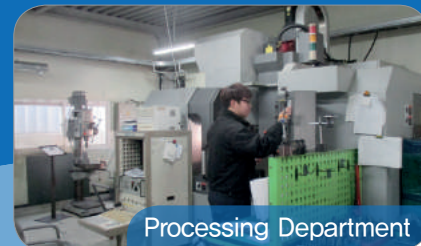




## FACTORY



Company Building



Processing Department



Executive Department



Assembly Department



Setting & QC Department



Material Department

## COMPANY ACTIVITIES



Climbing



Workshop



Open House



Drupa Exhibition



Kosiign Exhibition



ISA Exhibition

## CONTACT

### Head office

YWDS KOREA Co., Ltd.

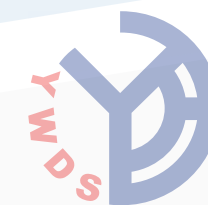
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Telephone : +82-31-985-4590

Fax : +82-31-985-4593

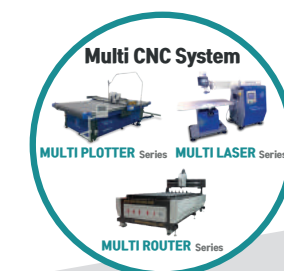
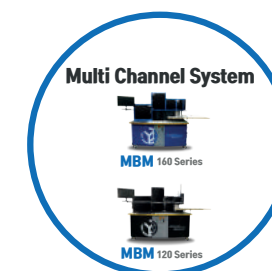
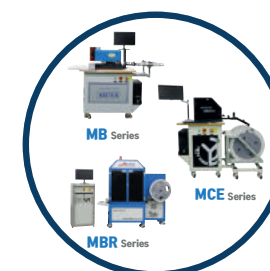
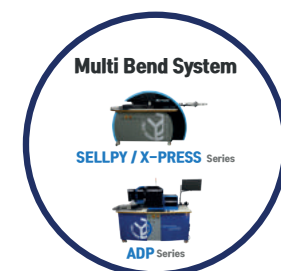
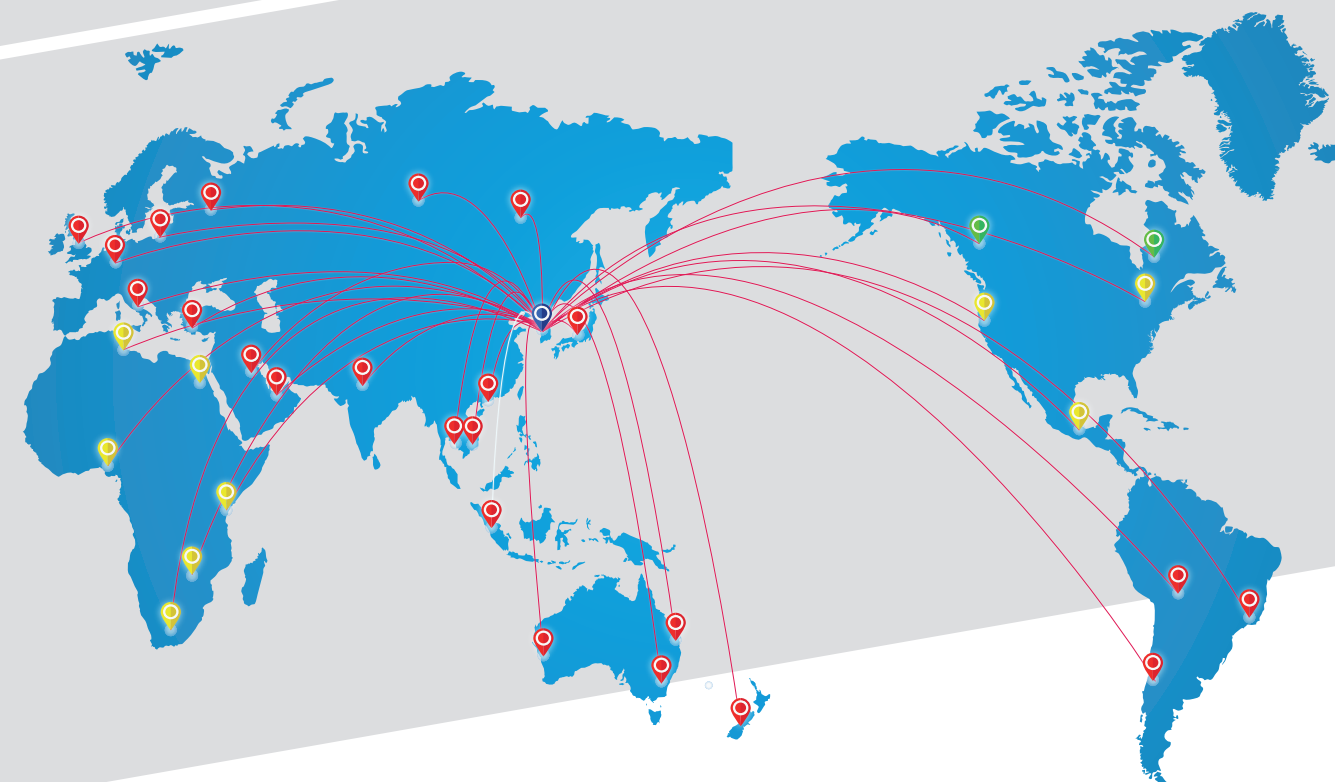
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*Your success is our business.*

## YWDS KOREA SPREADING THROUGHOUT THE WORLD



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