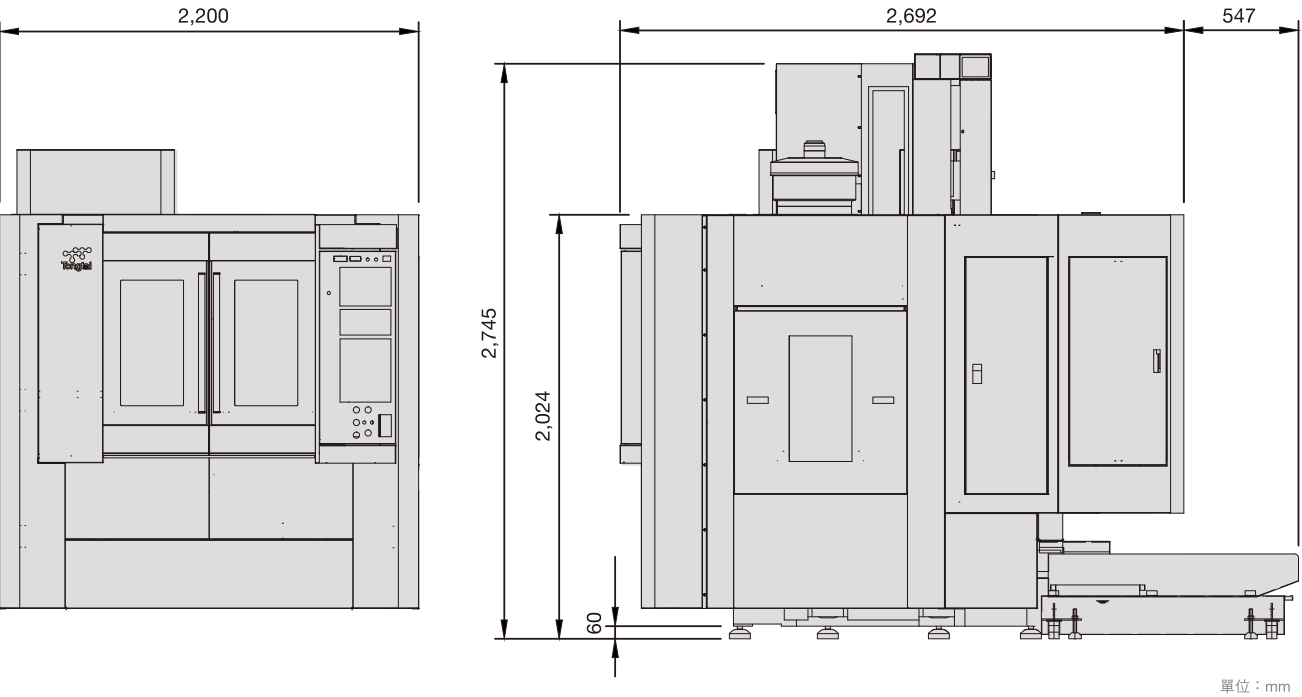


Specifications

Item	Specifications	Unit	AMW-800
Table	Table size	mm	900x510
	Max. table loads	kg	500
	high stiffness working platform fixture	mm	900x510
Spindle	Spindle speed	rpm	10-12,000
	Spindle taper		BT-40
Travel	X/Y/Z axis travel	mm	820/510/535
Feed	Feedrate	m/min	10/10/10 (Depends on materials)
	Rapid traverse	m/min	48/48/36
Laser source	Fiber laser	W	500
	Wavelength	nm	1,070
	laser spot diameter	mm	0.1-0.8
wire feeder	Wire diameter range	mm	0.1-0.6 (Depends on materials)
ATC	Tool capacity	pc	24
	Max. diameter of tool	mm	75
	Max. diameter of tool (w/o adjacent tool)	mm	150
	Max. length of tool	mm	250
	Max. weight of tool	kg	7
Machine appearance	Width x Depth x Height	mm	2,200 x 2,692 x 2,745
	Weight	kg	5,250



Tongtai Tongtai Machine & Tool Co., Ltd.

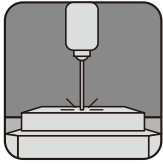
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| Europe Branch | TEL : 31-161-454639 | FAX : 31-161-454768 |
| Romania Branch | TEL : 40-264-415273 | FAX : 40-264-403983 |
| Malaysia Branch | TEL : 603-78597113 | FAX : 603-78597115 |
| Vietnam Branch | TEL : 84-4-62766090 | |
| Thailand Branch | TEL : 66-2-7443440 | FAX : 66-2-3986518 |
| Indonesia Office | TEL : 62-21-45850875 | FAX : 62-21-45850876 |

- | | | | | |
|-----------------------|--------------------------|-------------------------------|--------------------------|-------------------------|
| Affiliates | | | | |
| Honor Seiki Co., Ltd. | Asia Pacific Elite Corp. | Quick-Tech Machinery Co., Ltd | PCI-SCHEM - rue Copernic | ANGER Machining GmbH |
| TEL : 886-7-9759888 | TEL : 886-4-23589313 | TEL : 886-6-3841155 | TEL : 33-4-77426161 | TEL : 43-7229-71041-0 |
| FAX : 886-7-9759999 | FAX : 886-4-23588913 | FAX : 886-6-3841177 | FAX : 33-4-77426023 | FAX : 43-7229-71041-199 |
| www.honorseiki.com.tw | www.apecnc.com | www.quicktech.com.tw | www.pci.fr | www.anger-machining.com |

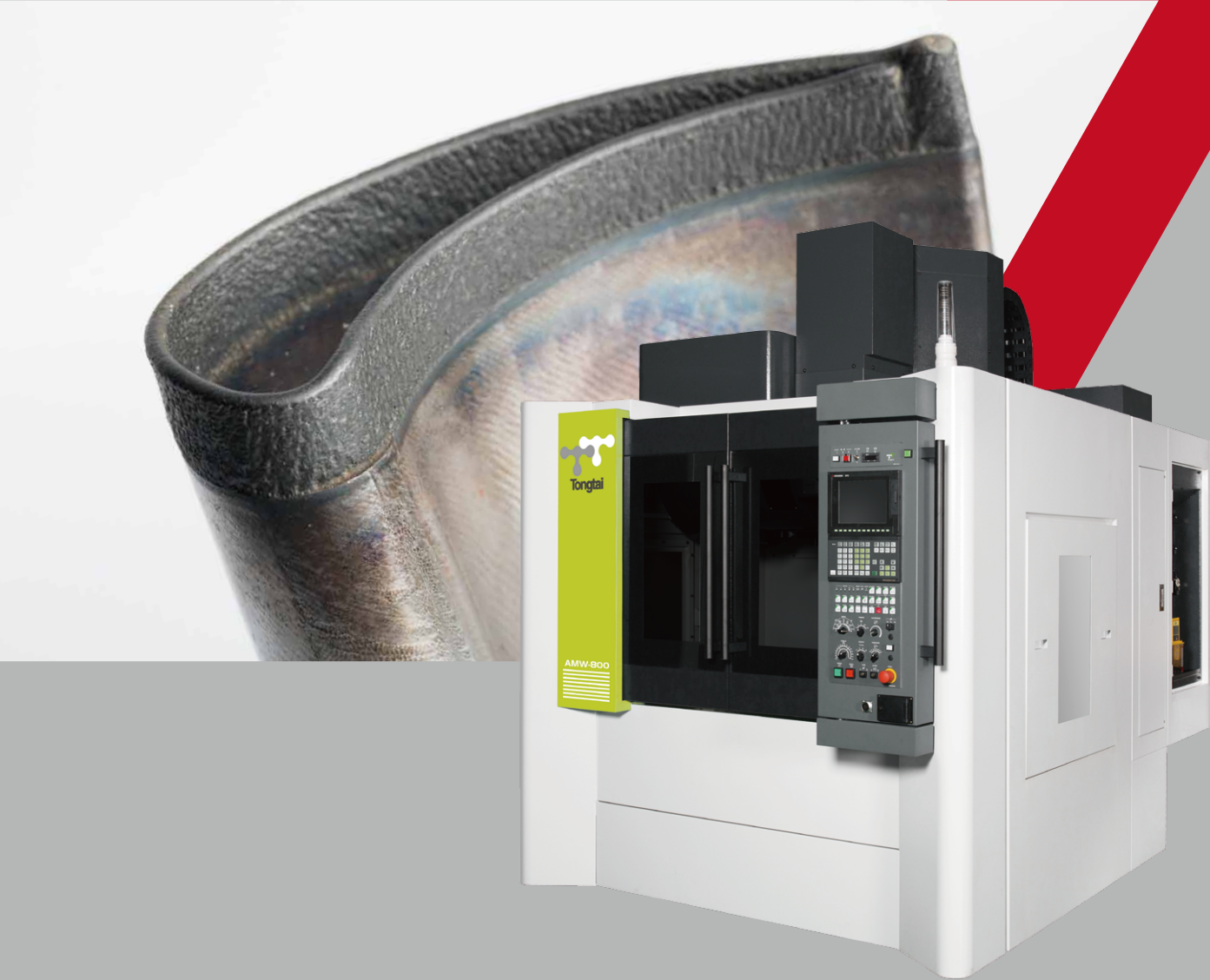


AMW-800 , 2017.01.16



Wire-Feeding Hybrid Manufacturing Equipment

AMW-800



AMW-800

AMW building environment diagram

Basic structure

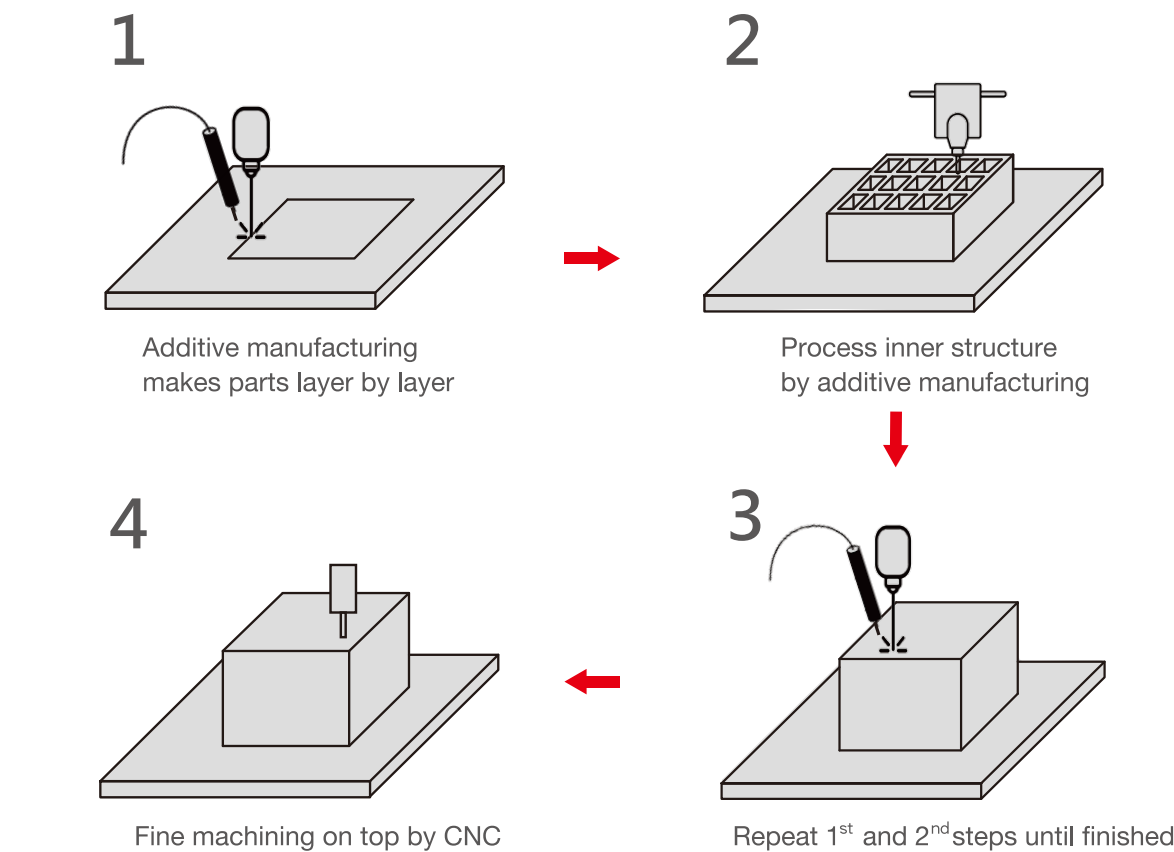
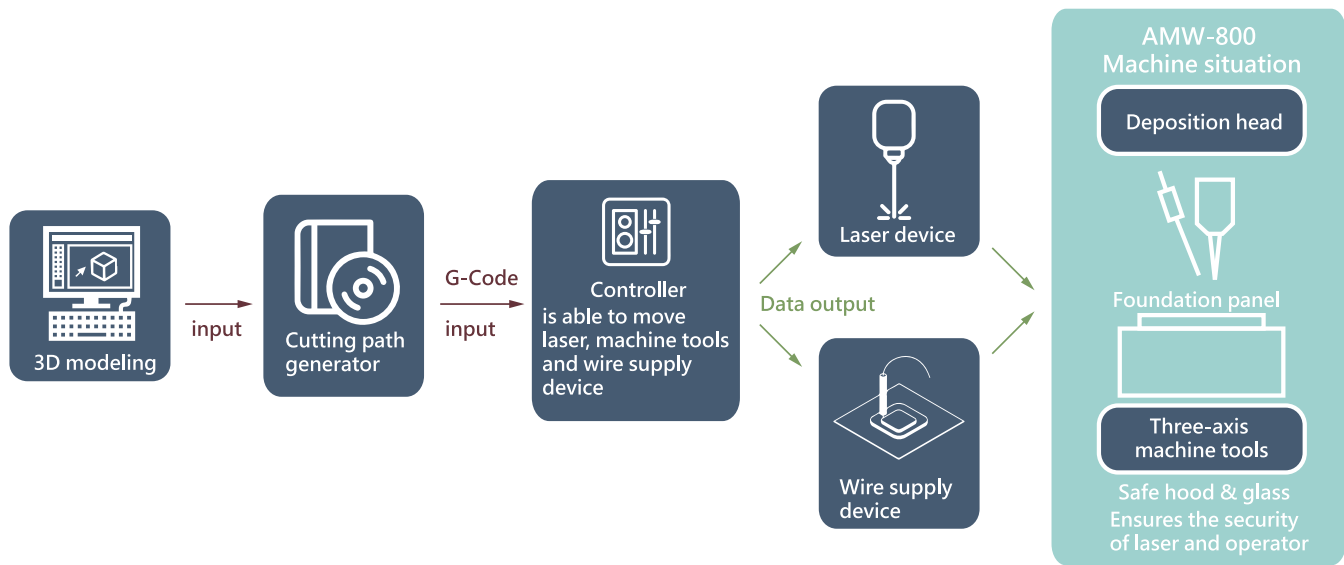
Wire type additive manufacturing equipment

- Optimized C-type structure design ensures excellent machine rigidity and stabilization in high speed precision machining.
- cladding and additive manufacturing by laser metal deposition is able to be equipped in machining centers.
- The range of wire diameter is between 0.1-0.6mm and both methods are available, high speed or high precision.
- One station combining additive/subtractive manufacturing processes to shorten product development time and improve productivity, increasing customer's competitiveness in market.

Three axis

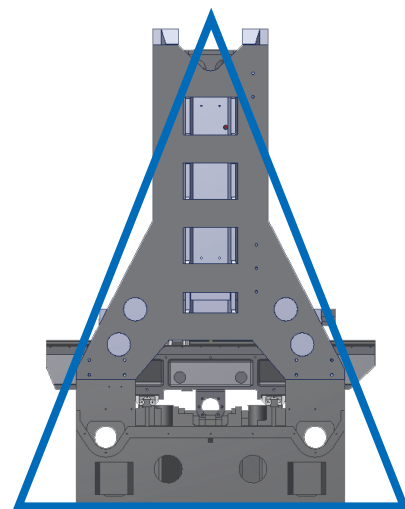
Travel
X/Y/Z axis 820/510/535 mm

Rapid traverse
X/Y/Z axis 48/48/36 m/min



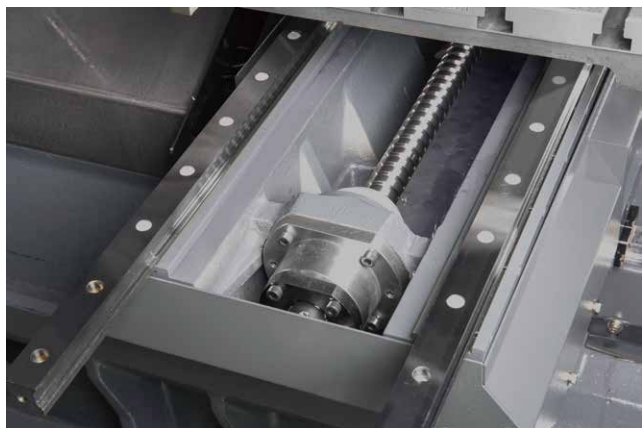
Stable structure

Delta structure with wide span column and excellent force-flow design benefits the resistance of cutting force. It ensures the stable machining precision.



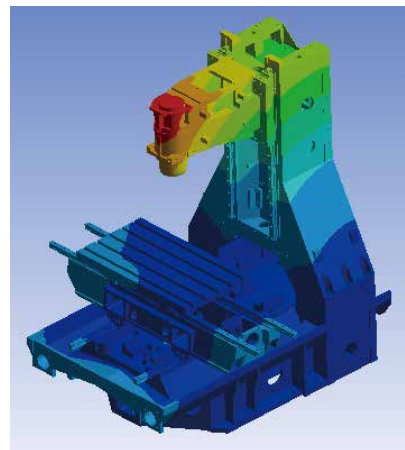
High speed transmission system

Three axes using ballscrew and linear guideway for achieving the requirement of rapid movement with the features of high rigidity, low friction, and low noise.



FEA (Finite element analysis) optimization

Process FEM (Finite Element Method) for optimizing machine structure



Additive/subtractive manufacturing processes

One station combining additive/subtractive manufacturing processes and is suitable on high-valued products repairing in aerospace and automotive industries.

