



# MITAI MACHINERY

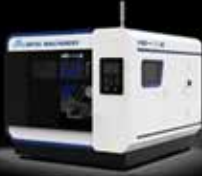
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# CNC

## CNC TESTERELER

### DAİRESEL TESTERELER

### YÜKSEK HIZLI ŞERİT TESTERELER



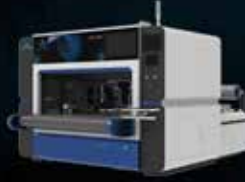
P serisi

X serisi

GY serisi

GF serisi

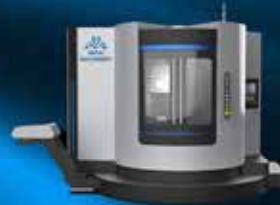
## CNC AKILLI KESME MAKİNELERİ



MT serisi

MK serisi

## CNC İŞLEM MERKEZİ



DİKEY İŞLEM MERKEZİ

YATAY İŞLEM MERKEZİ



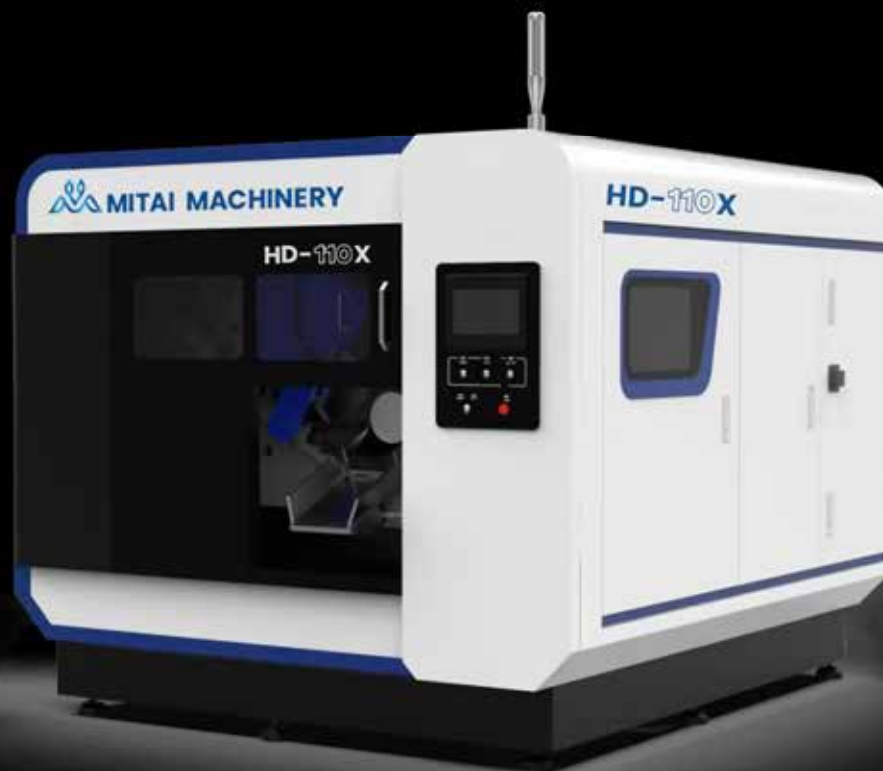
| Technical Parameter                 | Unit                         | HD-70P            | HD-70P  |            |
|-------------------------------------|------------------------------|-------------------|---|------------|
|                                     |                              | <b>Biaxial</b>    | <b>Triaxial</b>   |            |
| Sawing ability                      | Circular cutting material    | mm                | ●Φ10 - Φ70  | ●Φ10 - Φ70 |
|                                     | Square cutting material      | mm                | ■10-60  | ■10-60     |
|                                     | End cutting length           | mm                | 10-100  | 10-100     |
|                                     | Single feeding length        | mm                | 5-800   | 5-800      |
|                                     | Residual cutting length      | mm                | 60  | 30         |
|                                     | Verticality error            | mm                | ±0.05/100   | ±0.05/100  |
| Saw blade rules                     | Specification and size       | mm                | Φ285×Φ32×T2.0/t1.75                                     |            |
|                                     | Installation size            | mm                | Φ63/4/Φ11   |            |
|                                     | Number of teeth              | z                 | 54, 60, 72, 80, 100, 120                                |            |
| Equipment Parameters                | Feed speed                   | mm/min            | 0-3000  | 0-3000     |
|                                     | Fast forward speed           | m/min             | 18  | 18         |
|                                     | Feeding speed                | m/min             | 20  | 20         |
|                                     | Spindle speed                | rpm               | 60-140  | 60-140     |
|                                     | Spindle motor power          | kw                | 7.5/4p  | 7.5/4p     |
|                                     | Feed servo motor             | kw                | 2   | 2          |
|                                     | Feeding servo motor          | kw                | 1   | 1          |
|                                     | Third axis servo motor       | kw                | -   | 1          |
|                                     | Hydraulic motor              | kw                | 2.2   | 2.2        |
|                                     | Hydraulic pressure           | mpa               | 7   | 7          |
|                                     | Oil pressure tank capacity   | L                 | 90  | 90         |
|                                     | Main clamp                   |                   | Horizontal clamping pressure+Vertical clamping pressure |            |
|                                     | Feeding clamp                |                   | Horizontal clamping pressure                            |            |
|                                     | Working voltage              | V                 | 380   | 380        |
|                                     | Total power                  | kw                | 14.5  | 15.5       |
|                                     | Total weight(Including rack) | kg                | 4500  |            |
| External dimensions(host)           | mm                           | L2700×W2050×H1790 |   |            |
| Dimensions(Including material rack) | mm                           | L7180×W2050×H1790 |   |            |
| Material rack                       | Root                         | p                 | Φ70×6m×10   |            |
|                                     | Length                       | m                 | 3-6   |            |



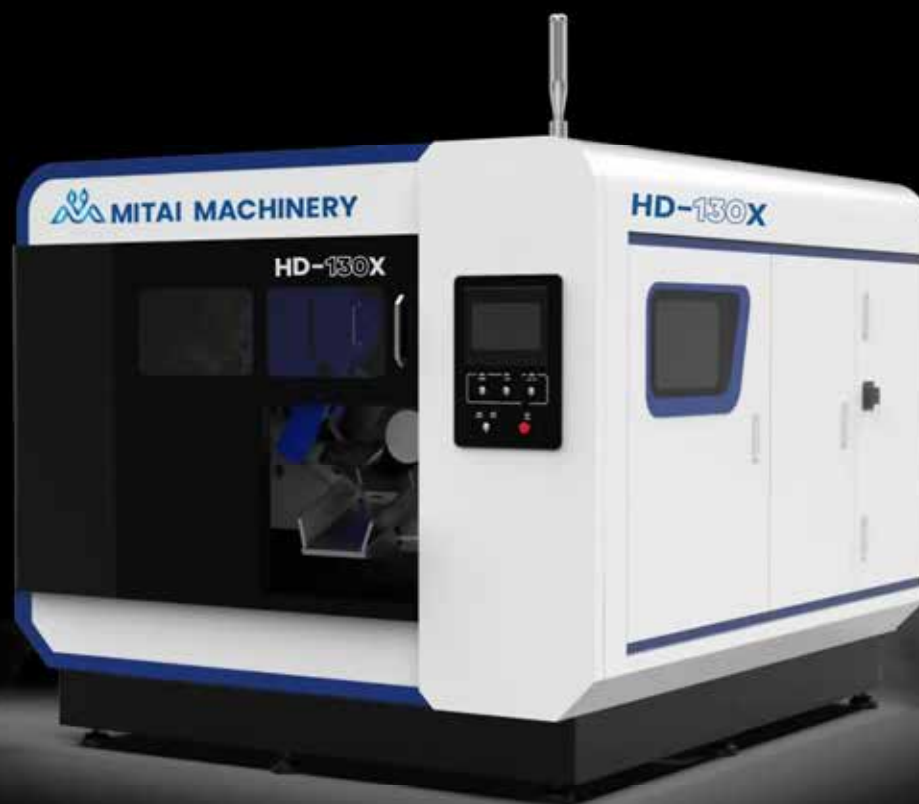
| Technical Parameter                 | Unit                         | HD-100P           | HD-100P   |             |
|-------------------------------------|------------------------------|-------------------|---|-------------|
|                                     |                              | <b>Biaxial</b>    | <b>Triaxial</b>   |             |
| Sawing ability                      | Circular cutting material    | mm                | ●Φ20 - Φ100   | ●Φ20 - Φ100 |
|                                     | Square cutting material      | mm                | ■20-80  | ■20-80      |
|                                     | End cutting length           | mm                | 10-100  | 10-100      |
|                                     | Single feeding length        | mm                | 5-800   | 5-800       |
|                                     | Residual cutting length      | mm                | 70  | 30          |
|                                     | Verticality error            | mm                | ±0.05/100   | ±0.05/100   |
| Saw blade rules                     | Specification and size       | mm                | Φ360×Φ40×T2.6/t2.25                                     |             |
|                                     | Installation size            | mm                | Φ90/4/Φ12.5   |             |
|                                     | Number of teeth              | z                 | 54, 60, 72, 80, 100, 120                                |             |
| Equipment Parameters                | Feed speed                   | mm/min            | 0-3000  | 0-3000      |
|                                     | Fast forward speed           | m/min             | 18  | 18          |
|                                     | Feeding speed                | m/min             | 20  | 20          |
|                                     | Spindle speed                | rpm               | 60-140  | 60-140      |
|                                     | Spindle motor power          | kw                | 11/4p   | 11/4p       |
|                                     | Feed servo motor             | kw                | 2   | 2           |
|                                     | Feeding servo motor          | kw                | 1.5   | 1.5         |
|                                     | Third axis servo motor       | kw                | -   | 1           |
|                                     | Hydraulic motor              | kw                | 2.2   | 2.2         |
|                                     | Hydraulic pressure           | mpa               | 7   | 7           |
|                                     | Oil pressure tank capacity   | L                 | 90  | 90          |
|                                     | Main clamp                   |                   | Horizontal clamping pressure+Vertical clamping pressure |             |
|                                     | Feeding clamp                |                   | Horizontal clamping pressure                            |             |
|                                     | Working voltage              | V                 | 380   | 380         |
|                                     | Total power                  | kw                | 18.5  | 19.5        |
|                                     | Total weight(Including rack) | kg                | 5000  |             |
| External dimensions(host)           | mm                           | L2700×W2050×H1790 |   |             |
| Dimensions(Including material rack) | mm                           | L7180×W2050×H1790 |   |             |
| Material rack                       | Root                         | p                 | Φ100×6m×10  |             |
|                                     | Length                       | m                 | 3-6   |             |



| Technical Parameter                 | Unit                       | HD-90X            | HD-90X  |             |
|-------------------------------------|----------------------------|-------------------|---|-------------|
|                                     |                            | <b>Biaxial</b>    | <b>Triaxial</b>   |             |
| Sawing ability                      | Circular cutting material  | mm                | ● Φ15 - Φ90   | ● Φ15 - Φ90 |
|                                     | Square cutting material    | mm                | ■ 15-60   | ■ 15-60     |
|                                     | End cutting length         | mm                | 10-100  | 10-100      |
|                                     | Single feeding length      | mm                | 5-800   | 5-800       |
|                                     | Residual cutting length    | mm                | 70  | 30          |
|                                     | Verticality error          | mm                | ±0.05/100   | ±0.05/100   |
| Saw blade rules                     | Specification and size     | mm                | Φ315×Φ32×T2.3/t2.0                                      |             |
|                                     | Installation size          | mm                | Φ63/4/Φ11   |             |
|                                     | Number of teeth            | z                 | 54, 60, 72, 80, 100, 120                                |             |
| Equipment Parameters                | Feed speed                 | mm/min            | 0-3000  | 0-3000      |
|                                     | Fast forward speed         | m/min             | 18  | 18          |
|                                     | Feeding speed              | m/min             | 20  | 20          |
|                                     | Spindle speed              | rpm               | 60-180  | 60-180      |
|                                     | Spindle motor power        | kw                | 15/4p   | 15/4p       |
|                                     | Feed servo motor           | kw                | 2   | 2           |
|                                     | Feeding servo motor        | kw                | 1.5   | 1.5         |
|                                     | Third axis servo motor     | kw                | -   | 1           |
|                                     | Hydraulic motor            | kw                | 2.2   | 2.2         |
|                                     | Hydraulic pressure         | mpa               | 7   | 7           |
|                                     | Oil pressure tank capacity | L                 | 90  | 90          |
|                                     | Main clamp                 |                   | Horizontal clamping pressure+Vertical clamping pressure |             |
|                                     | Feeding clamp              |                   | Horizontal clamping pressure                            |             |
|                                     | Working voltage            | V                 | 380   | 380         |
|                                     | Total power                | kw                | 21.5  | 22.5        |
| Total weight(Including rack)        | kg                         | 4500              |   |             |
| External dimensions(host)           | mm                         | L2300×W1850×H1900 |   |             |
| Dimensions(Including material rack) | mm                         | L7100×W1850×H1900 |   |             |
| Material rack                       | Root                       | p                 | Φ90×6m×11   |             |
|                                     | Length                     | m                 | 3-6   |             |



| Technical Parameter                 | Unit                         | HD-110X           | HD-110X   |             |
|-------------------------------------|------------------------------|-------------------|---|-------------|
|                                     |                              | <b>Biaxial</b>    | <b>Triaxial</b>   |             |
| Sawing ability                      | Circular cutting material    | mm                | ●Φ25 - Φ110   | ●Φ25 - Φ110 |
|                                     | Square cutting material      | mm                | ■25-80  | ■25-80      |
|                                     | End cutting length           | mm                | 10-100  | 10-100      |
|                                     | Single feeding length        | mm                | 5-800   | 5-800       |
|                                     | Residual cutting length      | mm                | 70  | 30          |
|                                     | Verticality error            | mm                | ±0.05/100   | ±0.05/100   |
| Saw blade rules                     | Specification and size       | mm                | Φ360×Φ40×T2.6/t2.25                                     |             |
|                                     | Installation size            | mm                | Φ90/4/Φ12.5   |             |
|                                     | Number of teeth              | z                 | 54, 60, 72, 80, 100, 120                                |             |
| Equipment Parameters                | Feed speed                   | mm/min            | 0-3000  | 0-3000      |
|                                     | Fast forward speed           | m/min             | 18  | 18          |
|                                     | Feeding speed                | m/min             | 20  | 20          |
|                                     | Spindle speed                | rpm               | 60-135  | 60-135      |
|                                     | Spindle motor power          | kw                | 15/4p   | 15/4p       |
|                                     | Feed servo motor             | kw                | 2   | 2           |
|                                     | Feeding servo motor          | kw                | 1.5   | 1.5         |
|                                     | Third axis servo motor       | kw                | -   | 1           |
|                                     | Hydraulic motor              | kw                | 2.2   | 2.2         |
|                                     | Hydraulic pressure           | mpa               | 7   | 7           |
|                                     | Oil pressure tank capacity   | L                 | 90  | 90          |
|                                     | Main clamp                   |                   | Horizontal clamping pressure+Vertical clamping pressure |             |
|                                     | Feeding clamp                |                   | Horizontal clamping pressure                            |             |
|                                     | Working voltage              | V                 | 380   | 380         |
|                                     | Total power                  | kw                | 21.5  | 22.5        |
|                                     | Total weight(Including rack) | kg                | 4500  |             |
| External dimensions(host)           | mm                           | L2300×W1850×H1900 |   |             |
| Dimensions(Including material rack) | mm                           | L7100×W1850×H1900 |   |             |
| Material rack                       | Root                         | p                 | Φ110×6m×9   |             |
|                                     | Length                       | m                 | 3-6   |             |



| Technical Parameter                 | Unit                         | HD-130X           | HD-130X   |              |
|-------------------------------------|------------------------------|-------------------|---|--------------|
|                                     |                              | <b>Biaxial</b>    | <b>Triaxial</b>   |              |
| Sawing ability                      | Circular cutting material    | mm                | ● Φ30 - Φ130  | ● Φ30 - Φ130 |
|                                     | Square cutting material      | mm                | ■ 30-90   | ■ 30-90      |
|                                     | End cutting length           | mm                | 10-100  | 10-100       |
|                                     | Single feeding length        | mm                | 8-800   | 8-800        |
|                                     | Residual cutting length      | mm                | 70  | 30           |
|                                     | Verticality error            | mm                | ±0.05/100   | ±0.05/100    |
| Saw blade rules                     | Specification and size       | mm                | Φ400×Φ50×T2.6/t2.25                                     |              |
|                                     | Installation size            | mm                | Φ80/4/Φ16   |              |
|                                     | Number of teeth              | z                 | 54, 60, 72, 80, 100, 120                                |              |
| Equipment Parameters                | Feed speed                   | mm/min            | 0-3000  | 0-3000       |
|                                     | Fast forward speed           | m/min             | 18  | 18           |
|                                     | Feeding speed                | m/min             | 20  | 20           |
|                                     | Spindle speed                | rpm               | 60-125  | 60-125       |
|                                     | Spindle motor power          | kw                | 15/6p   | 15/6p        |
|                                     | Feed servo motor             | kw                | 3   | 3            |
|                                     | Feeding servo motor          | kw                | 2   | 2            |
|                                     | Third axis servo motor       | kw                | -   | 1            |
|                                     | Hydraulic motor              | kw                | 2.2   | 2.2          |
|                                     | Hydraulic pressure           | mpa               | 7   | 7            |
|                                     | Oil pressure tank capacity   | L                 | 90  | 90           |
|                                     | Main clamp                   |                   | Horizontal clamping pressure+Vertical clamping pressure |              |
|                                     | Feeding clamp                |                   | Horizontal clamping pressure                            |              |
|                                     | Working voltage              | V                 | 380   | 380          |
|                                     | Total power                  | kw                | 24  | 25           |
|                                     | Total weight(Including rack) | kg                | 5000  |              |
| External dimensions(host)           | mm                           | L2400×W1950×H1900 |   |              |
| Dimensions(Including material rack) | mm                           | L7400×W1950×H1900 |   |              |
| Material rack                       | Root                         | p                 | Φ130×6m×8   |              |
|                                     | Length                       | m                 | 3-6   |              |



| Technical Parameter                 | Unit                         | HD-160X           | HD-160X   |             |
|-------------------------------------|------------------------------|-------------------|---|-------------|
|                                     |                              | <b>Biaxial</b>    | <b>Triaxial</b>   |             |
| Sawing ability                      | Circular cutting material    | mm                | ●Φ40 - Φ160   | ●Φ40 - Φ160 |
|                                     | Square cutting material      | mm                | ■40-110   | ■40-110     |
|                                     | End cutting length           | mm                | 10-100  | 10-100      |
|                                     | Single feeding length        | mm                | 10-800  | 10-800      |
|                                     | Residual cutting length      | mm                | 80  | 30          |
|                                     | Verticality error            | mm                | ±0.05/100   | ±0.05/100   |
| Saw blade rules                     | Specification and size       | mm                | Φ460×Φ50×T2.7/t2.25                                     |             |
|                                     | Installation size            | mm                | Φ90/4/Φ14   |             |
|                                     | Number of teeth              | z                 | 40,54, 60, 72, 80, 100, 120                             |             |
| Equipment Parameters                | Feed speed                   | mm/min            | 0-3000  | 0-3000      |
|                                     | Fast forward speed           | m/min             | 18  | 18          |
|                                     | Feeding speed                | m/min             | 20  | 20          |
|                                     | Spindle speed                | rpm               | 50-110  | 50-110      |
|                                     | Spindle motor power          | kw                | 18.5/6p   | 18.5/6p     |
|                                     | Feed servo motor             | kw                | 4.5   | 4.5         |
|                                     | Feeding servo motor          | kw                | 3   | 3           |
|                                     | Third axis servo motor       | kw                | -   | 1           |
|                                     | Hydraulic motor              | kw                | 3.7   | 3.7         |
|                                     | Hydraulic pressure           | mpa               | 9   | 9           |
|                                     | Oil pressure tank capacity   | L                 | 90  | 90          |
|                                     | Main clamp                   |                   | Horizontal clamping pressure+Vertical clamping pressure |             |
|                                     | Feeding clamp                |                   | Horizontal clamping pressure                            |             |
|                                     | Working voltage              | V                 | 380   | 380         |
|                                     | Total power                  | kw                | 31.5  | 32.5        |
|                                     | Total weight(Including rack) | kg                | 6000  |             |
| External dimensions(host)           | mm                           | L2500×W2200×H1900 |   |             |
| Dimensions(Including material rack) | mm                           | L7750×W2200×H1900 |   |             |
| Material rack                       | Root                         | p                 | Φ160×6m×6   |             |
|                                     | Length                       | m                 | 3-6   |             |



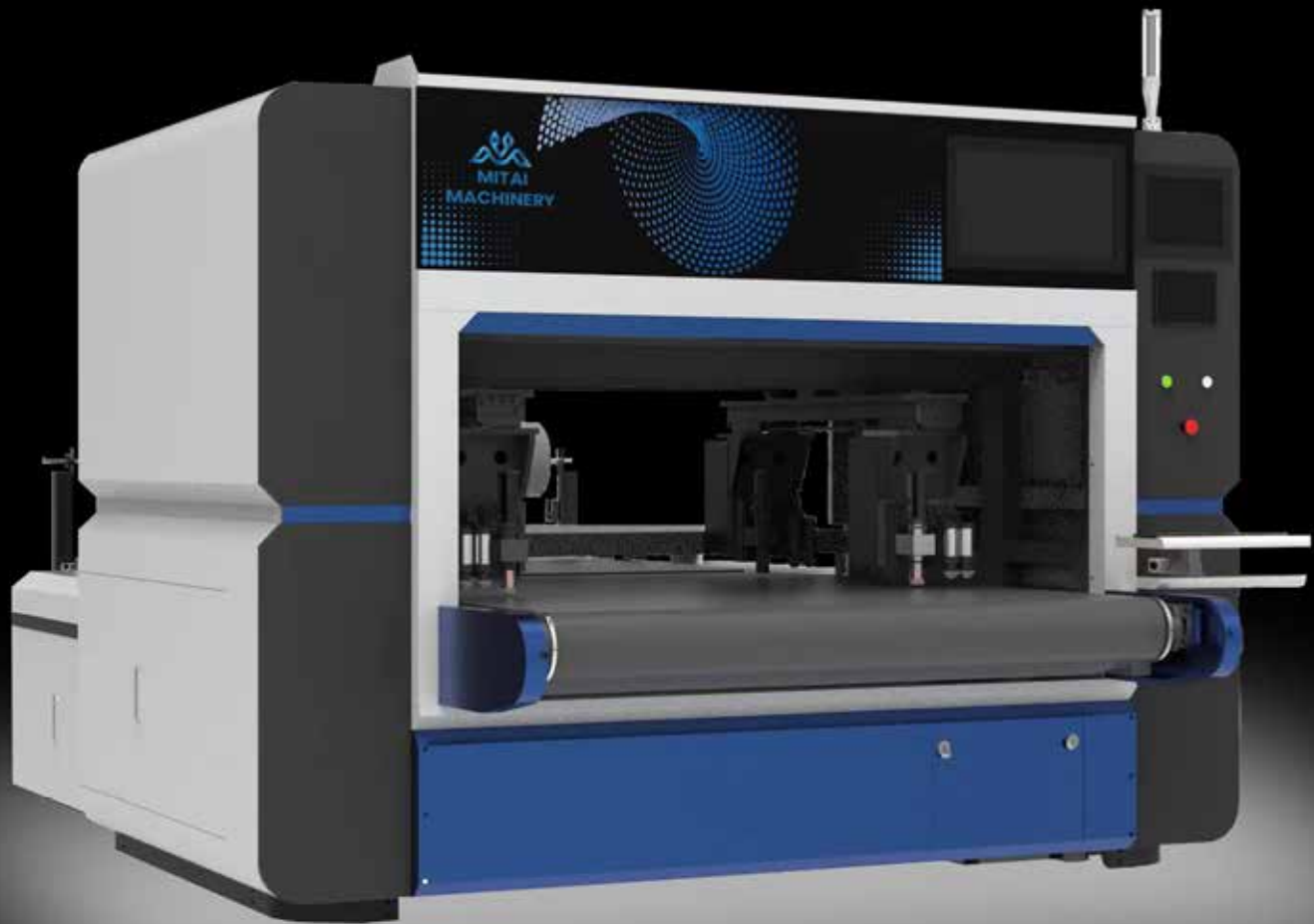


| Equipment name                              |                               | Unit                  | H-4545NC         |  |
|---|-------------------------------|-----------------------|------------------|--|
| Overall appearance(excluding material rack) |                               | mm                    | 3500×2200×2300   |  |
| Sawing ability                              |                               | mm                    | ≦Φ450            |  |
| Band saw specifications                     |                               | mm                    | 5350×41          |  |
| Sawing line speed                           |                               | m/min                 | 0-100            |  |
| Quick cutting speed                         |                               | mm/s                  | 0-50             |  |
| Fast feeding speed                          |                               | mm/s                  | 0-250            |  |
| Main motor power                            |                               | kw                    | 7.5              |  |
| Hydraulic motor power                       |                               | kw                    | 2.2              |  |
| Workbench height                            |                               | mm                    | <750             |  |
| Voltage                                     |                               | v                     | 380v/50hz        |  |
| Operation screen                            |                               | inch                  | 10               |  |
| Steel type                                  | Test sawing material size(mm) | Cutting speed(mm/min) | Sawing time(min) | Cutting efficiency(cm <sup>2</sup> /min) |
| #45   | Φ300                          | 50-70                 | 5                | 120-150                                  |
|   | 430×220                       | 45-65                 | 4.3              | 190-220                                  |
| ti4-ti15                                    | Φ200                          | 13-18                 | 20               | 16-20                                    |
| ti16-ti20                                   | Φ200                          | 7-10                  | 26               | 12-14                                    |
| ti4-ti15                                    | Φ200                          | 10-15                 | 28               | 11-15                                    |
| ti16-ti20                                   | Φ200                          | 5-7                   | 50               | 6-8                                      |
| gh706                                       | Φ250                          | 5-8                   | 42               | 11-13                                    |
| gh4169                                      | Φ250                          | 3-6                   | 60               | 8-10                                     |
| gh141                                       | Φ250                          | 3-5                   | 65               | 7-9                                      |

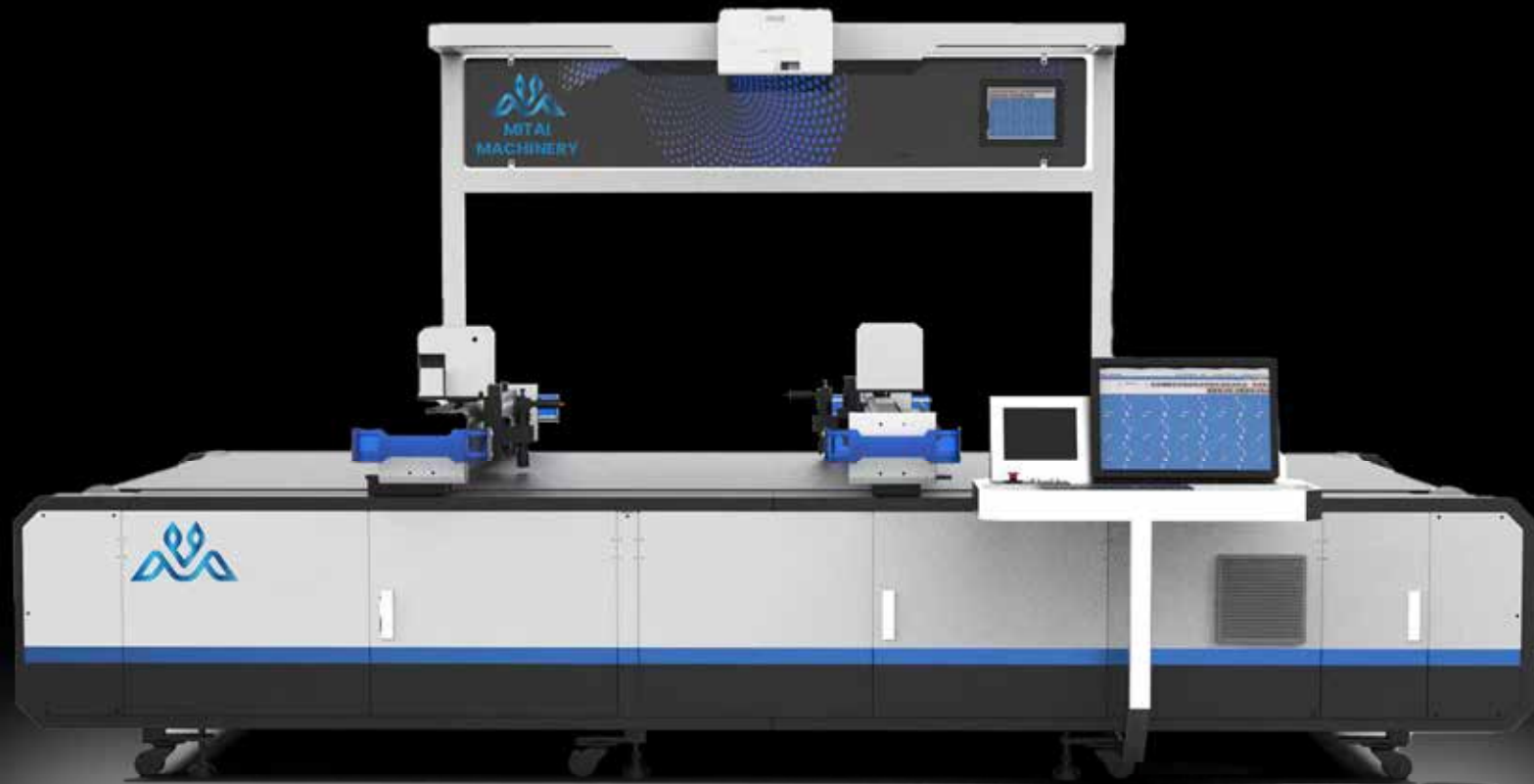


| Equipment name                              | Unit  | H-7050NC       |
|---|-------|----------------|
| Overall appearance(excluding material rack) | mm    | 3250X3350X2500 |
| Sawing ability                              | mm    | 700x500        |
| Band saw specifications                     | mm    | 6450x54        |
| Sawing line speed                           | m/min | 0-100          |
| Quick cutting speed                         | mm/s  | 0-50           |
| Main motor power                            | kw    | 7.5            |
| Hydraulic motor power                       | kw    | 2.2            |
| Workbench height                            | mm    | <750           |
| Voltage                                     | v     | 380v/50hz      |
| Operation screen                            | inch  | 10             |

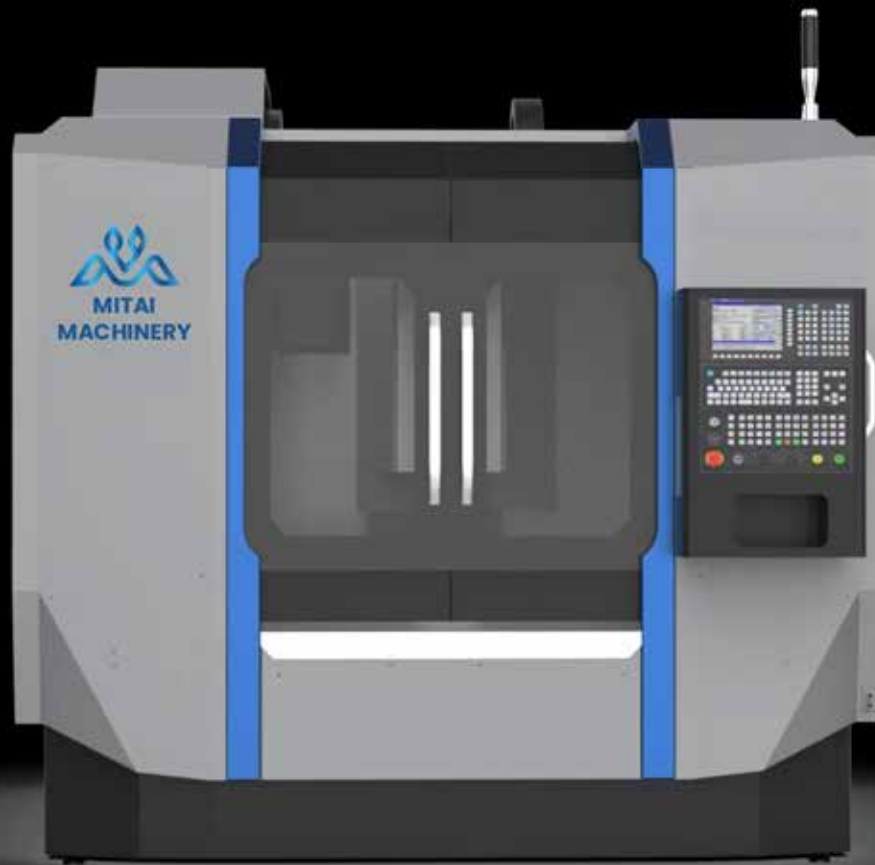
| Steel type | Test sawing material size(mm) | Cutting speed(mm/min) | Sawing time(min) | Cutting efficiency(cm <sup>2</sup> /min) |
|------------|-------------------------------|-----------------------|------------------|--|
| p20        | 430x300                       | 12-20                 | 24               | 50-65                                    |
| h13        | 400x200                       | 7-12                  | 30               | 25-35                                    |
| 718        | 400x200                       | 10-14                 | 20               | 40-50                                    |
| 4cr13mo    | 400x300                       | 8-12                  | 32               | 37-42                                    |
| xpm        | 400x250                       | 10-16                 | 22               | 45-60                                    |



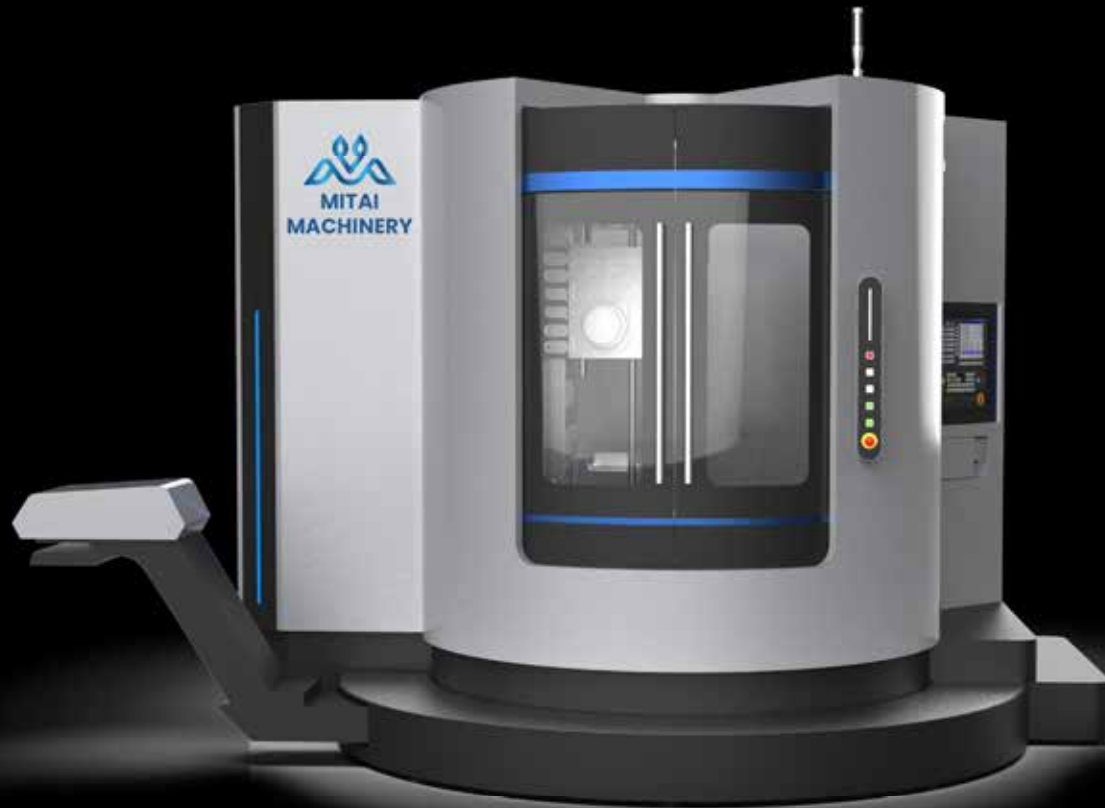
|   |   |
|---|---|
| <b>Machine model</b>                                    | <b>HD-1606-2HFL</b>   |
| <b>Effective working size</b>                           | <b>1600mm×600mm</b>   |
| <b>Cutting speed</b>                                    | <b>100-1200mm/s</b>   |
| <b>Cutting thickness</b>                                | <b>0.1-10mm</b>   |
| The frequency of the operating voltage of the main unit | <b>AC 220V±22V 50±1HZ/60±1HZ</b>  |
| The frequency of the working voltage of the air pump    | <b>AC 380V±38V 9KW×1</b>  |
| <b>Cutting materials</b>                                | <b>PU synthetic leather,leather,PVC glue sheet<br/>Midsole plate,tpu,Mesh</b> |



|  |   |
|--|---|
| <b>Machine model</b>                         | <b>HD-1608-2HF</b>                              |
| <b>Effective working size</b>                | <b>1600mm×800mm</b>                             |
| <b>Machine size</b>                          | <b>4500mm×2300mm×2500mm(Feed rack included)</b> |
| <b>Machine weight</b>                        | <b>600kg</b>                                    |
| <b>Cutting speed</b>                         | <b>1-1200mm/s</b>                               |
| <b>Cutting thickness</b>                     | <b>0.1-20mm</b>                                 |
| <b>Main unit operating voltage/frequency</b> | <b>AC220V±22V/50±1 Hz</b>                       |
| <b>Air pump operating voltage/frequency</b>  | <b>AC380V±38V/50±1 Hz</b>                       |
| <b>Air pump power</b>                        | <b>9kW</b>                                      |



| Specifications                                    |                     | HD-855L                                  | HD-1160L     | HD-1270L     | HD-1380L     | HD-1580L     |
|---|---------------------|--|--------------|--------------|--------------|--------------|
| <b>Travel</b>                                     |                     |  |              |              |              |              |
| X/Y/Z axis travel                                 | mm                  | 800/550/550                              | 1100/650/750 | 1200/700/700 | 1300/800/800 | 1500/800/800 |
| Distance from spindle nose to table top           | mm                  | 110-660                                  | 95-845       | 75-775       | 85-885       | 85-885       |
| Distance from spindle center to Z-axis guide rail | mm                  | 590                                      | 722          | 785          | 865          | 865          |
| <b>Worktable</b>                                  |                     |  |              |              |              |              |
| Worktable dimension                               | mm                  | 1000x550                                 | 1200x650     | 1360x710     | 1500x810     | 1700x810     |
| T-slots (size-No. x spacing)                      | mm                  | 5-18x90                                  | 5-18x120     | 5-18x152.5   | 5-18x147.5   | 5-18x147.5   |
| Max. load   | kg                  | 500                                      | 800          | 1000         | 1200         | 1500         |
| <b>Spindle</b>                                    |                     |  |              |              |              |              |
| Spindle speed                                     | rpm                 | 10000                                    | 10000        | 8000         | 8000         | 8000         |
| Spindle taper                                     | -                   | BT40-160                                 | BT40-160     | BT50-155     | BT50-155     | BT50-155     |
| Transmission                                      | -                   | Belt                                     | Belt         | Belt         | Belt         | Belt         |
| <b>Feedrates</b>                                  |                     |  |              |              |              |              |
| Cutting feedrates                                 | mm/min              | 0-10000                                  | 0-10000      | 0-10000      | 0-10000      | 0-10000      |
| X/Y/Z axis rapid feedrates                        | m/min               | 36/36/24                                 | 36/36/24     | 24/24/24     | 24/24/24     | 24/24/16     |
| <b>Precision</b>                                  |                     |  |              |              |              |              |
| Positioning accuracy                              | mm                  | ±0.005/300                               | ±0.005/300   | ±0.005/300   | ±0.005/300   | ±0.005/300   |
| Repetitive positioning accuracy                   | mm                  | ±0.003/300                               | ±0.003/300   | ±0.003/300   | ±0.003/300   | ±0.003/300   |
| <b>Tool Changing System</b>                       |                     |  |              |              |              |              |
| Tool capacity                                     | pcs                 | 24                                       | 24           | 24           | 24           | 24           |
| Max. tool weight                                  | kg                  | 8  | 8            | 18           | 18           | 18           |
| Max. tool length                                  | mm                  | 300                                      | 300          | 400          | 400          | 400          |
| Tool diameter (with/without adjacent tools)       | mm                  | Φ78/Φ120                                 | Φ78/Φ120     | Φ112/Φ200    | Φ112/Φ200    | Φ112/Φ200    |
| Tool magazine                                     | -                   | Disc type                                | Disc type    | Disc type    | Disc type    | Disc type    |
| <b>CNC System</b>                                 |                     |  |              |              |              |              |
| CNC system  | -                   | Fanuc oi-mf plus(5)/mitsubishi M80A/M80B |              |              |              |              |
| Spindle motor                                     | kw                  | 7.5/11.0                                 | 11.0/15.0    | 15.0/18.0    | 15.0/18.0    | 18.5/22.0    |
| X/Y/Z axis motor                                  | kw                  | 2.0/2.0/3.0                              | 3.0/3.0/3.0  | 3.0/3.0/3.0  | 3.0/3.0/4.5  | 4.5/4.5/4.5  |
| <b>Others</b>                                     |                     |  |              |              |              |              |
| Air source  | kgf/cm <sup>2</sup> | 6  | 6            | 6            | 6            | 6            |
| Electrical power supply                           | kVA                 | 20                                       | 20           | 25           | 25           | 35           |



| Specifications                              |                     | HD-855W                                  | HD-855W-A   | HD-1290W     | HD-63A        |   |
|---|---------------------|--|-------------|--------------|---------------|---|
| <b>Travel</b>                               |                     |  |             |              |               |   |
| X/Y/Z axis travel                           | mm                  | 800/600/550                              | 800/600/550 | 1200/900/700 | 1100/900/1100 | - |
| Distance from spindle nose to table top     | mm                  | 70-670                                   | -200-400    | 70-970       | 80-980        | - |
| <b>Worktable</b>                            |                     |  |             |              |               |   |
| Worktable dimension                         | mm                  | 550x1000                                 | 500x500     | 1360x700     | 630x630       | - |
| T-slots (size-No. x spacing)                | mm                  | 5-18x90                                  | 5-18x90     | 5-18x122     | 5-18x100      | - |
| Max. load                                   | kg                  | 500                                      | 300         | 1000         | 1200          | - |
| <b>Spindle</b>                              |                     |  |             |              |               |   |
| Spindle speed                               | rpm                 | 8000                                     | 8000        | 6000         | 6000          | - |
| Spindle taper                               | -                   | BT40-150                                 | BT40-150    | BT50-190     | BT50-190      | - |
| Transmission                                | -                   | Belt                                     | Belt        | Belt         | Belt          | - |
| <b>Feedrates</b>                            |                     |  |             |              |               |   |
| Cutting feedrates                           | mm/min              | 0-10000                                  | 0-10000     | 0-10000      | 0-10000       | - |
| X/Y/Z axis rapid feedrates                  | m/min               | 36/24/36                                 | 36/24/36    | 12/12/12     | 20/20/20      | - |
| <b>Precision</b>                            |                     |  |             |              |               |   |
| Positioning accuracy                        | mm                  | ±0.005/300                               | ±0.005/300  | ±0.005/300   | ±0.005/300    | - |
| Repetitive positioning accuracy             | mm                  | ±0.003/300                               | ±0.003/300  | ±0.003/300   | ±0.003/300    | - |
| <b>Tool Changing System</b>                 |                     |  |             |              |               |   |
| Tool capacity                               | pcs                 | 24                                       | 24          | 24           | 24            | - |
| Max. tool weight                            | kg                  | 8  | 8           | 18           | 18            | - |
| Max. tool length                            | mm                  | 300                                      | 300         | 400          | 400           | - |
| Tool diameter (with/without adjacent tools) | mm                  | Φ78/Φ120                                 | Φ78/Φ120    | Φ112/Φ200    | Φ112/Φ200     | - |
| Tool magazine                               | -                   | Disc type                                | Disc type   | Disc type    | Disc type     | - |
| <b>CNC System</b>                           |                     |  |             |              |               |   |
| CNC system                                  | -                   | Fanuc oi-mf plus(5)/mitsubishi M80A/M80B |             |              |               |   |
| Spindle motor                               | kw                  | 7.5/11.0                                 | 11.0/15.0   | 15.0/18.0    | 18.5/22.0     | - |
| X/Y/Z axis motor                            | kw                  | 2.0/2.0/3.0                              | 3.0/3.0/3.0 | 3.0/4.5/3.0  | 4.5/4.5/4.5   | - |
| <b>Others</b>                               |                     |  |             |              |               |   |
| Air source                                  | kgf/cm <sup>2</sup> | 6  | 6           | 6            | 6             | - |
| Electrical power supply                     | kVA                 | 20                                       | 25          | 30           | 35            | - |