

# GENERAL CATALOG

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### /// Horizontal Turning Center

Classic

**NEX**

NEX-105 / NEX-106 / NEX-108 / NEX-110

Compact

**LA**

LA-150 / LA-200

High Performance

**LA**

LA-250 / LA-300 / LA-250YS / LA-250YT

Heavy Duty

**LA**

LA-350 / LA-450

Extra Heavy Duty

**LS**

LS-800 / LS-1000 / LS-1100

High Accuracy

**LX / EX**

EX-2000 / LX-2500 / LX-3000

High Productivity with Twin Turrets

**MX / FX**

MX-800 / FX-600 / FX-800

### /// Vertical Turning Center

Heavy Duty

**VTL**

VTL-350 / VTL-450 / VTL-750A / VTL-760 / VTL-950 / VTL-1100

Inverted Vertical

**YC**

YC-108 / YC-308 / YC-110 / YC-310 / YC-120

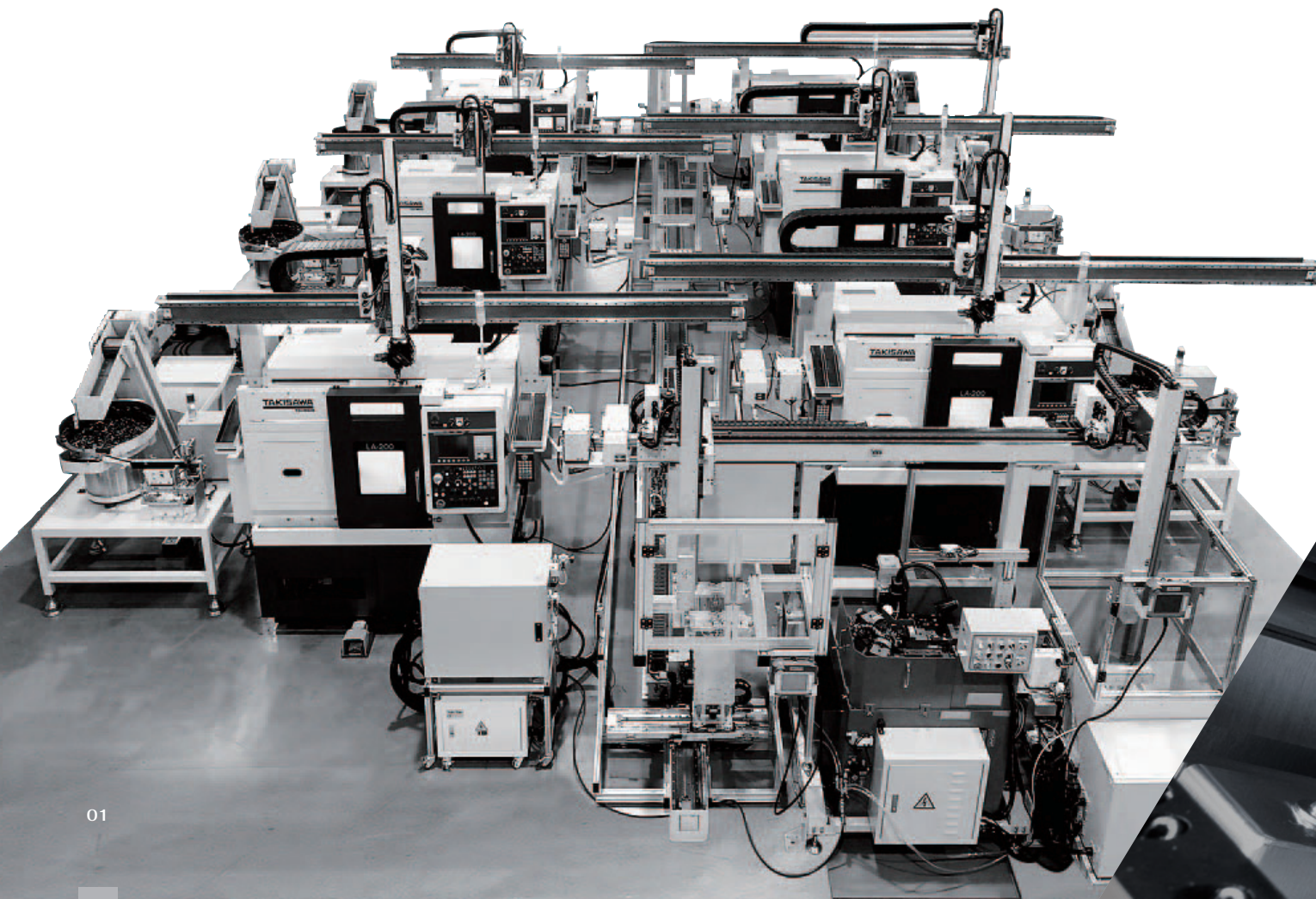


# Manufacturing to Win Customer's Confidence

Taiwan Takisawa inherits the 100-years skillful technical art for machine tool manufacturing, and sharing R&D technology with integration of resources from Japan Takisawa.

Taiwan Takisawa concentrates on the research and development of CNC lathe and continuous evolution and improvement from shortening the product design cycle and highly customized products.

Moreover, the new machine design is with high complex and implemented with many intelligent functions which has been formulated a new standard for a new generation of products. In general, the new generation of products provide unparalleled manufacturing flexibility and customer-oriented with complete process solutions.



# Product Full Line-up



## Horizontal Turning Center

### Classic

5" ~ 10"

|            |         |     |     |   |   |    |   |    |
|------------|---------|-----|-----|---|---|----|---|----|
| NEX series | NEX-105 | 5"  | STD | K |   |    |   |    |
|            | NEX-106 | 6"  | STD | K |   |    |   |    |
|            | NEX-108 | 8"  | STD | H | M | MH | Y | YH |
|            | NEX-110 | 10" | STD | H | M | MH | Y | YH |

### Compact

6" ~ 8"

|                     |        |    |     |   |   |    |  |
|---------------------|--------|----|-----|---|---|----|--|
| LA-150 / 200 series | LA-150 | 6" | STD | M | L | ML |  |
|                     | LA-200 | 8" | STD | M | L | ML |  |

### High Performance

10" ~ 12"

|                     |          |     |     |   |   |   |    |    |
|---------------------|----------|-----|-----|---|---|---|----|----|
| LA-250 / 300 series | LA-250   | 10" | STD | M | Y | L | ML | YL |
|                     | LA-300   | 12" | STD | M | Y |   |    |    |
|                     | LA-250YS | 10" | STD |   |   |   |    |    |
|                     | LA-250YT | 10" | STD |   |   |   |    |    |

### Heavy Duty

12" ~ 18"

|                     |        |     |     |           |             |             |  |
|---------------------|--------|-----|-----|-----------|-------------|-------------|--|
| LA-350 / 450 series | LA-350 | 12" | STD | L8<br>ML8 | L16<br>ML16 | L22<br>ML22 |  |
|                     | LA-450 | 18" | STD | L8<br>ML8 | L16<br>ML16 | L22<br>ML22 |  |

### Extra Heavy Duty

15" ~ 32"

|           |         |     |     |       |       |       |       |
|-----------|---------|-----|-----|-------|-------|-------|-------|
| LS series | LS-800  | 15" | STD | BL10  | BL15  | BL20  | BL30  |
|           |         |     |     | MBL10 | MBL15 | MBL20 | MBL30 |
|           |         |     |     | YBL10 | YBL20 | YBL30 |       |
|           |         | 18" | STD | CL10  | CL15  | CL20  | CL30  |
|           |         |     |     | MCL10 | MCL15 | MCL20 | MCL30 |
|           |         |     |     | YCL10 | YCL20 | YCL30 |       |
|           | LS-1000 | 20" | STD | L10   | L15   | L20   | L30   |
|           |         |     |     | ML10  | ML15  | ML20  | ML30  |
|           | LS-1100 | 32" | STD | L20   | L30   | L40   |       |



### High Accuracy

8" ~ 12"

|                |         |    |   |    |   |    |    |    |
|----------------|---------|----|---|----|---|----|----|----|
| EX-2000 series | EX-2000 | 8" | T | MT | S | MS | YT | YS |
|----------------|---------|----|---|----|---|----|----|----|

### LX series

|         |     |     |     |      |      |
|---------|-----|-----|-----|------|------|
| LX-2500 | 10" | STD | L7  | L13  | L20  |
|         |     |     | ML7 | ML13 | ML20 |
|         |     |     | YL7 | YL13 | YL20 |
| LX-3000 | 12" | STD | L7  | L13  | L20  |
|         |     |     | ML7 | ML13 | ML20 |
|         |     |     | YL7 | YL13 | YL20 |

### High Productivity with Twin Turrets

6" ~ 8"

|                |        |    |     |    |   |    |
|----------------|--------|----|-----|----|---|----|
| MX / FX series | MX-800 | 8" | STD | M2 | Y | Y2 |
|                | FX-600 | 6" |     |    |   |    |
|                | FX-800 | 8" |     |    |   |    |

## Vertical Turning Center

### Heavy Duty

12" ~ 32"

|            |          |     |   |    |   |    |
|------------|----------|-----|---|----|---|----|
| VTL series | VTL-350  | 12" | R |    |   |    |
|            | VTL-450  | 12" | R | MR | L | ML |
|            | VTL-750  | 24" | A |    |   |    |
|            | VTL-760  | 15" | R | MR | L | ML |
|            | VTL-950  | 32" | R | MR |   |    |
|            | VTL-1100 | 32" | R | MR |   |    |

### Inverted Vertical

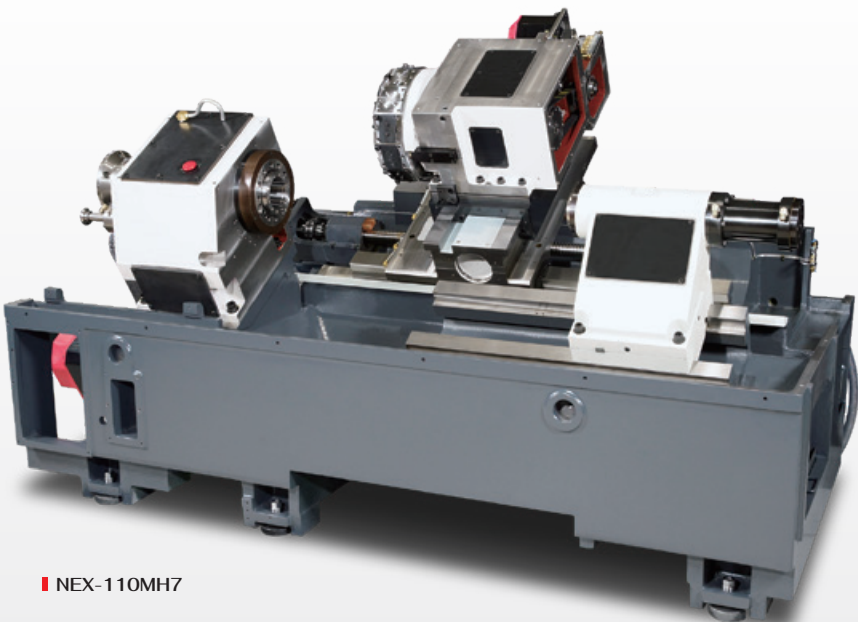
8"~12"

|           |        |     |     |  |
|-----------|--------|-----|-----|--|
| YC series | YC-108 | 8"  | STD |  |
|           | YC-308 | 8"  | STD |  |
|           | YC-110 | 10" | STD |  |
|           | YC-310 | 10" | STD |  |
|           | YC-120 | 12" | STD |  |
|           |        |     |     |  |

High Accuracy Classic Turning Center

NEX series

- NEX-105, NEX-105K  
NEX-106, NEX-106K  
NEX-108, NEX-108H, NEX-108M, NEX-108MH, NEX-108Y, NEX-108YH  
NEX-110, NEX-110H, NEX-110M, NEX-110MH, NEX-110Y



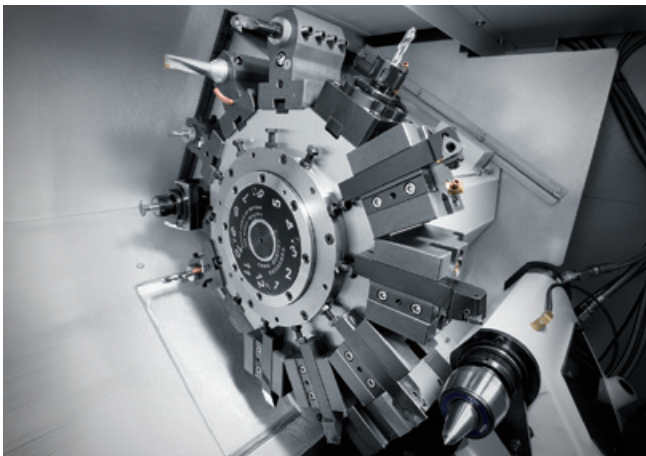
Specifications

|                        | NEX-105            | NEX-105K    | NEX-106     | NEX-106K    | NEX-108     | NEX-108H    | NEX-108M    | NEX-108MH   | NEX-108Y    | NEX-110 | NEX-110H7 | NEX-110M | NEX-110MH7 | NEX-110Y |
|------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|-----------|----------|------------|----------|
| Max. Swing             | 310                | 460         | 350         | 110         | 400         | 480         | 480         | 480         | 480         | 495     | 495       | 495      | 495        | 495      |
| Max. Turning Diameter  | 220(T8) / 170(T12) | 120         | 240         | --          | 320         | 320         | 260         | 260         | 260         | 400     | 400       | 350      | 350        | 350      |
| Max. Turning Length    | 186                | 90          | 320         | 325         | 482         | 482         | 446.8       | 446.8       | 445.5       | 667     | 667       | 632.1    | 632.1      | 632.5    |
| Max. Bar Work Capacity | 42                 | 26 (42)     | 43          | 43          | 52 (65)     | 52 (65)     | 52 (65)     | 52 (65)     | 52 (65)     | 75      | 75        | 75       | 75         | 75       |
| Spindle Speed          | 6000               | 5000 (6000) | 5000 (6000) | 5000 (6000) | 3500 (4000) | 3500 (4000) | 3500 (4000) | 3500 (4000) | 3500 (4000) | 3500    | 3500      | 3500     | 3500       | 3500     |
| Chuck Size             | 6"                 | (5") 6"     | 6"          | 6"          | 8"          | 8"          | 8"          | 8"          | 8"          | 10"     | 10"       | 10"      | 10"        | 10"      |
| Number of Tools        | T8 (T12)           | Gang Type   | T12         | Gang Type   | T10 (T12)   | T10 (T12)   | T12         | T12         | T12         | T10     | T10       | T12      | T12        | T12      |
| Number of Spindles     | 1                  | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1       | 1         | 1        | 1          | 1        |

High Performance Compact Turning Center

LA-150/200 series

LA-150, LA-150M, LA-150L, LA-150ML  
LA-200, LA-200M, LA-200L, LA-200ML



Specifications

|                        | LA-150                           | LA-150L                          | LA-150M | LA-150ML | LA-200                           | LA-200L                          | LA-200M     | LA-200ML    |
|------------------------|----------------------------------|----------------------------------|---------|----------|----------------------------------|----------------------------------|-------------|-------------|
| Max. Swing             | 470                              | 470                              | 470     | 470      | 470                              | 470                              | 470         | 470         |
| Max. Turning Diameter  | 250 (T8) / 320 (T10) / 320 (T12) | 250 (T8) / 320 (T10) / 320 (T12) | 250     | 250      | 250 (T8) / 320 (T10) / 320 (T12) | 250 (T8) / 320 (T10) / 320 (T12) | 250         | 250         |
| Max. Turning Length    | 328                              | 628                              | 313     | 613      | 300                              | 600                              | 284         | 584         |
| Max. Bar Work Capacity | 42                               | 42                               | 42      | 42       | 52 / 66                          | 52 / 66                          | 52 / 66     | 52 / 66     |
| Spindle Speed          | 5000                             | 5000                             | 5000    | 5000     | 3200 (4000)                      | 3200 (4000)                      | 3200 (4000) | 3200 (4000) |
| Chuck Size             | 6"                               | 6"                               | 6"      | 6"       | 8"                               | 8"                               | 8"          | 8"          |
| Number of Tools        | T8 / T10 / T12                   | T8 / T10 / T12                   | T12     | T12      | T8 / T10 / T12                   | T8 / T10 / T12                   | T12         | T12         |
| Number of Spindles     | 1                                | 1                                | 1       | 1        | 1                                | 1                                | 1           | 1           |

High Performance Turning Center

LA-250/300 series

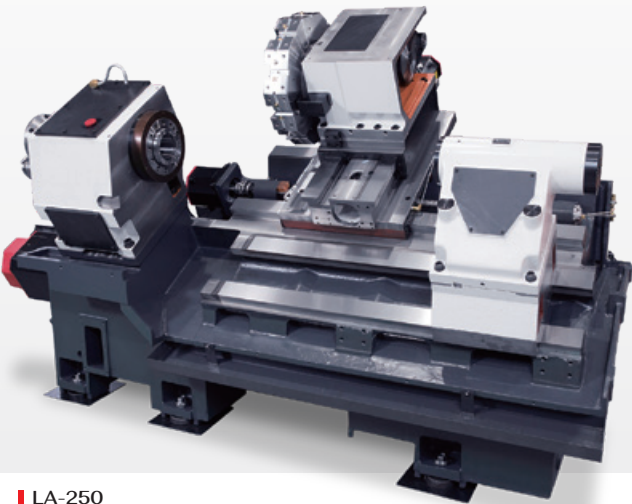
LA-250, LA-250M, LA-250Y, LA-250L, LA-250ML, LA-250YL  
LA-300, LA-300M, LA-300Y  
LA-250YS  
LA-250YT



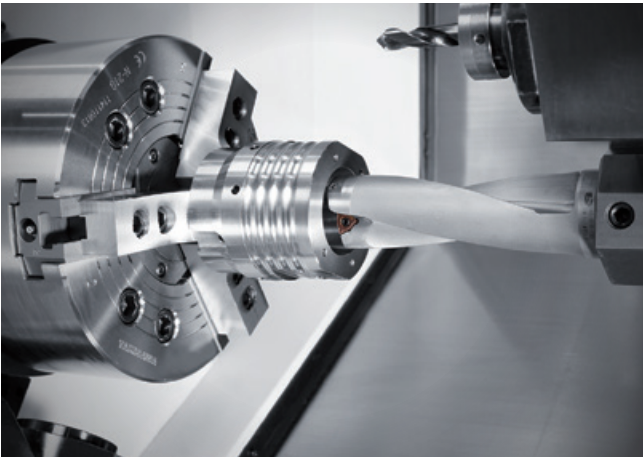
LA-250M



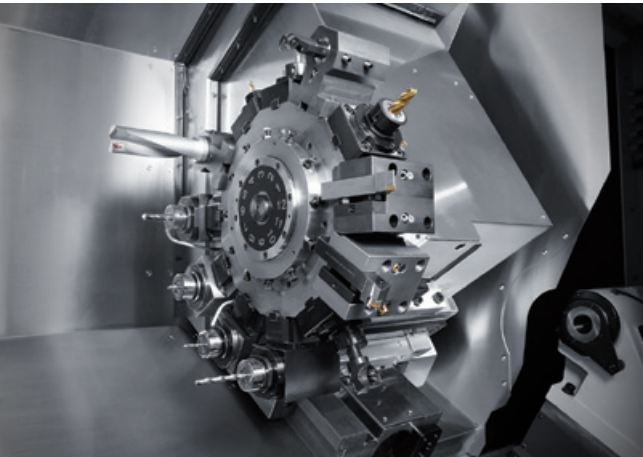
LA-250M



LA-250



LA-250YL



LA-250YL

Specifications

|                        | LA-250            | LA-250M           | LA-250Y           | LA-250L             | LA-250ML            | LA-250YL            | LA-300    | LA-300M | LA-300Y | LA-250YS  | LA-250YT  |
|------------------------|-------------------|-------------------|-------------------|---------------------|---------------------|---------------------|-----------|---------|---------|-----------|-----------|
| Max. Swing             | 580               | 580               | 580               | 580                 | 580                 | 580                 | 580       | 580     | 580     | 600       | 600       |
| Max. Turning Diameter  | 450               | 420               | 350               | 450                 | 420                 | 350                 | 450       | 420     | 350     | 370       | 370       |
| Max. Turning Length    | 767 (P) / 717 (G) | 733 (P) / 683 (G) | 746 (P) / 696 (G) | 1167 (P) / 1117 (G) | 1133 (P) / 1083 (G) | 1146 (P) / 1096 (G) | 1086      | 1052    | 1065    | 737       | 750       |
| Max. Bar Work Capacity | 75                | 75                | 75                | 75                  | 75                  | 75                  | 90        | 90      | 90      | 75 / 52   | 75 (81)   |
| Spindle Speed          | 3500              | 3500              | 3500              | 3500                | 3500                | 3500                | 2800      | 2800    | 2800    | 3500      | 3500      |
| Chuck Size             | 10"               | 10"               | 10"               | 10"                 | 10"                 | 10"                 | 12"       | 12"     | 12"     | 10"       | 10"       |
| Number of Tools        | T10 / T12         | T12               | T12               | T10 / T12           | T12                 | T12                 | T10 / T12 | T12     | T12     | T15 (T12) | T15 (T12) |
| Number of Spindles     | 1                 | 1                 | 1                 | 1                   | 1                   | 1                   | 1         | 1       | 1       | 1         | 1         |

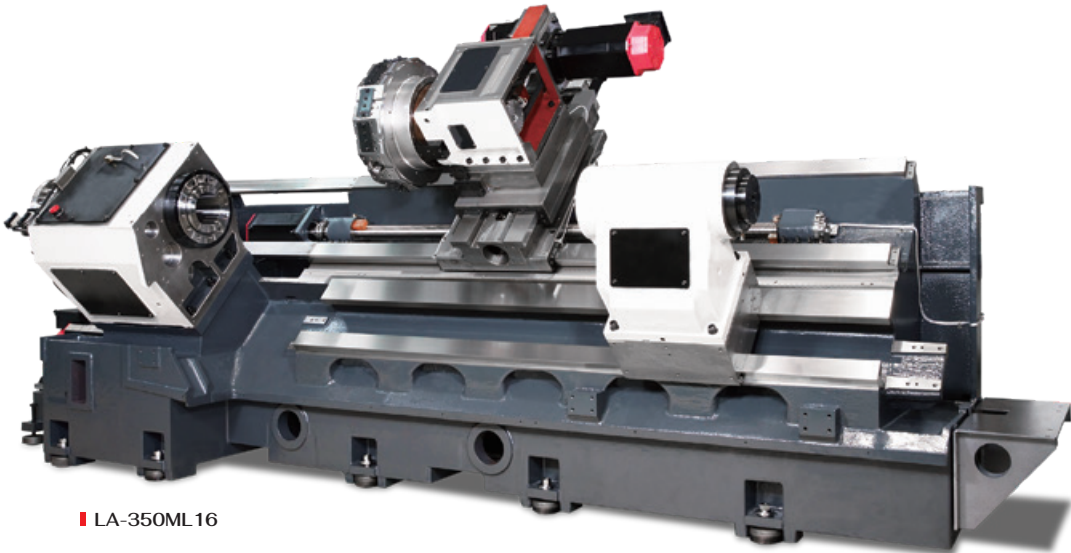
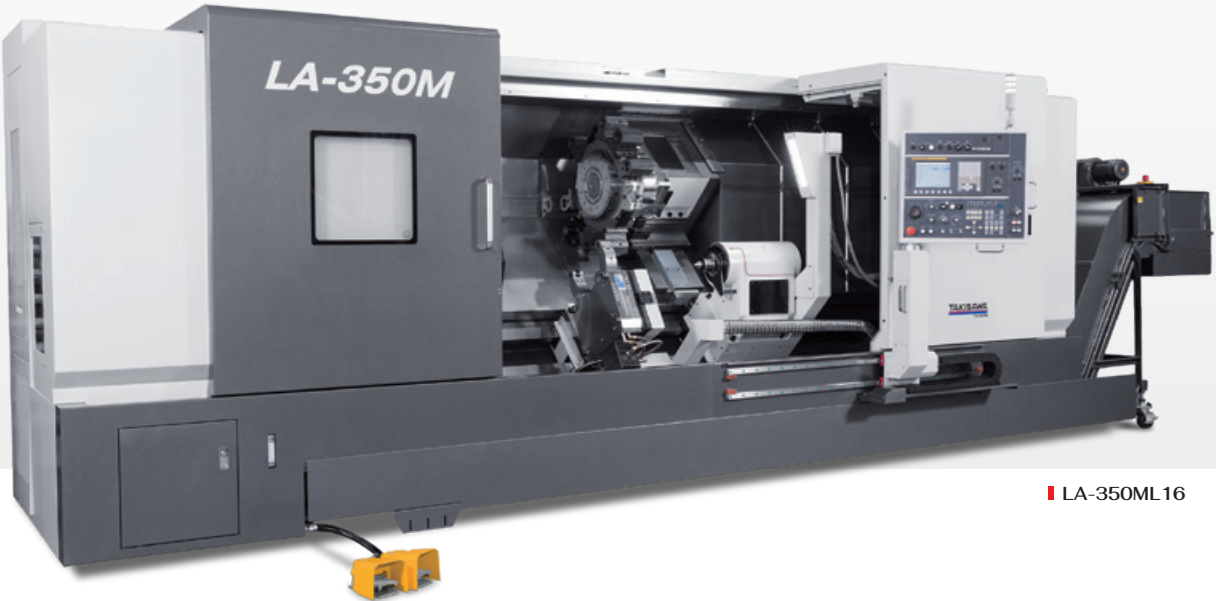
\* P : P Motor / G : Gear Box

\* P : P Motor / G : Gear Box

Heavy Duty Turning Center

LA-350/450 series

- LA-350L8
- LA-350ML8
- LA-350L16
- LA-350ML16
- LA-350L22
- LA-350ML22



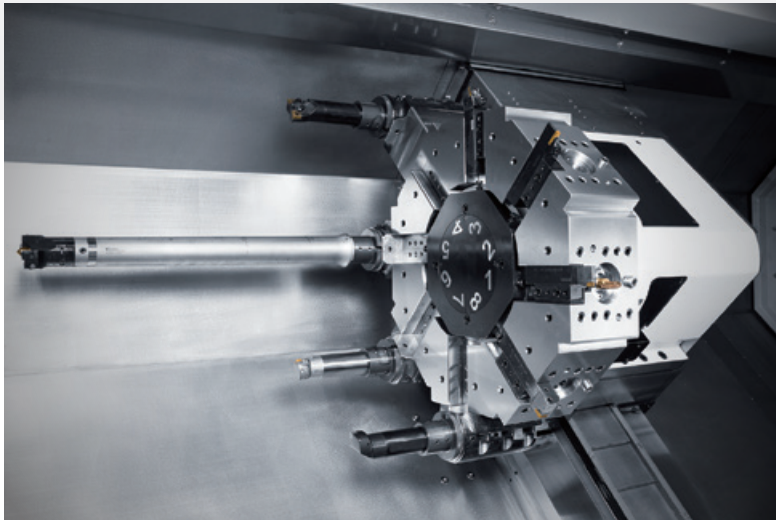
Specifications

|                        | LA-350L8    | LA-350L16   | LA-350L22   | LA-350ML8   | LA-350ML16  | LA-350ML22  | LA-450L8    | LA-450L16   | LA-450L22   | LA-450ML8   | LA-450ML16  | LA-450ML22  |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Max. Swing             | 780         | 780         | 780         | 780         | 780         | 780         | 780         | 780         | 780         | 780         | 780         | 780         |
| Max. Turning Diameter  | 550         | 550         | 550         | 480         | 480         | 480         | 550         | 550         | 550         | 480         | 480         | 480         |
| Max. Turning Length    | 830         | 1630        | 2270        | 711         | 1511        | 2151        | 781         | 1581        | 2221        | 662         | 1462        | 2102        |
| Max. Bar Work Capacity | 115         | 115         | 115         | 115         | 115         | 115         | 150         | 150         | 150         | 150         | 150         | 150         |
| Spindle Speed          | 2500 (2000) | 2500 (2000) | 2500 (2000) | 2500 (2000) | 2500 (2000) | 2500 (2000) | 1800 (1500) | 1800 (1500) | 1800 (1500) | 1800 (1500) | 1800 (1500) | 1800 (1500) |
| Chuck Size             | 12" (15")   | 12" (15")   | 12" (15")   | 12" (15")   | 12" (15")   | 12" (15")   | 18" (20")   | 18" (20")   | 18" (20")   | 18" (20")   | 18" (20")   | 18" (20")   |
| Number of Tools        | T10 / T12   | T10 / T12   | T10 / T12   | T12         | T12         | T12         | T10 / T12   | T10 / T12   | T10 / T12   | T12         | T12         | T12         |
| Number of Spindles     | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |

Extra Heavy Duty Turning Center

LS series

- LS-800B (L10 / L15 / L20 / L30)
- LS-800C (L10 / L15 / L20 / L30)
- LS-800MB (L10 / L15 / L20 / L30)
- LS-800MC (L10 / L15 / L20 / L30)
- LS-800YB (L10 / L20 / L30)
- LS-800YC (L10 / L20 / L30)
- LS-1000 (L10 / L15 / L20 / L30)
- LS-1000M (L10 / L15 / L20 / L30)
- LS-1100 (L20 / L30 / L40)



LS-1000L20



LS-1000L20

Specifications

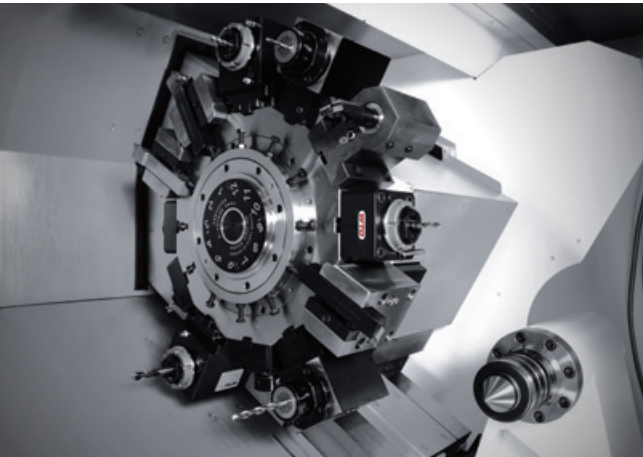
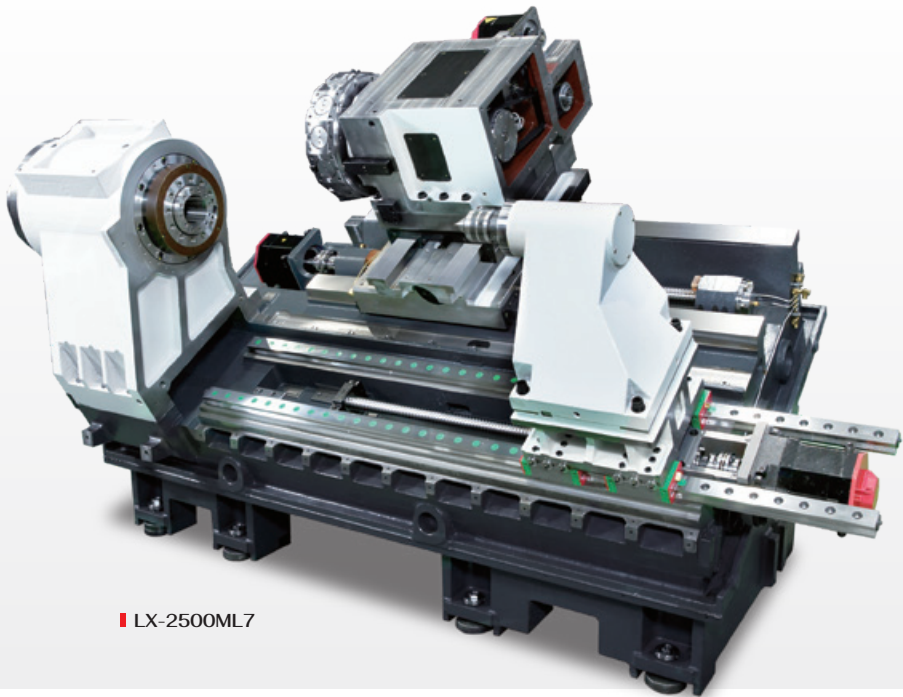
|                        | B-type      |             |             |             | C-type     |            |            |            | B-type      |             |             |             | C-type      |             |             |             |
|------------------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                        | LS-800BL10  | LS-800BL15  | LS-800BL20  | LS-800BL30  | LS-800CL10 | LS-800CL15 | LS-800CL20 | LS-800CL30 | LS-800MBL10 | LS-800MBL15 | LS-800MBL20 | LS-800MBL30 | LS-800MCL10 | LS-800MCL15 | LS-800MCL20 | LS-800MCL30 |
| Max. Swing             | 830         | 830         | 830         | 830         | 830        | 830        | 830        | 830        | 830         | 830         | 830         | 830         | 830         | 830         | 830         | 830         |
| Max. Turning Diameter  | 760         | 760         | 760         | 760         | 760        | 760        | 760        | 760        | 680         | 680         | 680         | 680         | 680         | 680         | 680         | 680         |
| Max. Turning Length    | 1099.5      | 1599.5      | 2099.5      | 3099.5      | 1049.5     | 1549.5     | 2049.5     | 3049.5     | 987.3       | 1487.3      | 1987.3      | 2987.3      | 937.3       | 1437.3      | 1937.3      | 2937.3      |
| Max. Bar Work Capacity | 115         | 115         | 115         | 115         | 180        | 180        | 180        | 180        | 115         | 115         | 115         | 115         | 180         | 180         | 180         | 180         |
| Spindle Speed          | 2000 (1500) | 2000 (1500) | 2000 (1500) | 2000 (1500) | 1200       | 1200       | 1200       | 1200       | 2000 (1500) | 2000 (1500) | 2000 (1500) | 2000 (1500) | 1200        | 1200        | 1200        | 1200        |
| Chuck Size             | 15" (18")   | 15" (18")   | 15" (18")   | 15" (18")   | 20"        | 20"        | 20"        | 20"        | 15" (18")   | 15" (18")   | 15" (18")   | 15" (18")   | 20"         | 20"         | 20"         | 20"         |
| Number of Tools        | T10 (T12)   | T10 (T12)   | T10 (T12)   | T10 (T12)   | T10 (T12)  | T10 (T12)  | T10 (T12)  | T10 (T12)  | T12         | T12         | T12         | T12         | T12         | T12         | T12         | T12         |
| Number of Spindles     | 1           | 1           | 1           | 1           | 1          | 1          | 1          | 1          | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |

|                        | B-type      |             |             | C-type      |             |             |            |            |            |            |             |             |             |              |                 |                 |                 |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|-------------|-------------|-------------|--------------|-----------------|-----------------|-----------------|
|                        | LS-800YBL10 | LS-800YBL20 | LS-800YBL30 | LS-800YCL10 | LS-800YCL20 | LS-800YCL30 | LS-1000L10 | LS-1000L15 | LS-1000L20 | LS-1000L30 | LS-1000ML10 | LS-1000ML15 | LS-1000ML20 | LS-1000M/L30 | LS-1100L20      | LS-1100L30      | LS-1100L40      |
| Max. Swing             | 830         | 830         | 830         | 830         | 830         | 830         | 1020       | 1020       | 1020       | 1020       | 1020        | 1020        | 1020        | 1020         | 1120            | 1120            | 1120            |
| Max. Turning Diameter  | 600         | 600         | 600         | 600         | 600         | 600         | 900        | 900        | 900        | 900        | 850         | 850         | 850         | 850          | 900             | 900             | 900             |
| Max. Turning Length    | 925.3       | 1925.3      | 2925.3      | 875.3       | 1875.3      | 2875.3      | 1031.7     | 1531.7     | 2031.7     | 3031.7     | 966.7       | 1466.7      | 1966.7      | 2966.7       | 2125            | 3025            | 4475            |
| Max. Bar Work Capacity | 115         | 115         | 115         | 180         | 180         | 180         | 180        | 180        | 180        | 180        | 180         | 180         | 180         | 180          | 205             | 205             | 205             |
| Spindle Speed          | 2000 (1500) | 2000 (1500) | 2000 (1500) | 1200        | 1200        | 1200        | 1200       | 1200       | 1200       | 1200       | 1200        | 1200        | 1200        | 1200         | 900             | 900             | 900             |
| Chuck Size             | 15" (18")   | 15" (18")   | 15" (18")   | 20"         | 20"         | 20"         | 20" (24")  | 20" (24")  | 20" (24")  | 20" (24")  | 20" (24")   | 20" (24")   | 20" (24")   | 20" (24")    | 24" (28") (32") | 24" (28") (32") | 24" (28") (32") |
| Number of Tools        | T12         | T12         | T12         | T12         | T12         | T12         | T10 (T12)  | T10 (T12)  | T10 (T12)  | T10 (T12)  | T12         | T12         | T12         | T12          | T10             | T10             | T10             |
| Number of Spindles     | 1           | 1           | 1           | 1           | 1           | 1           | 1          | 1          | 1          | 1          | 1           | 1           | 1           | 1            | 1               | 1               | 1               |

High Accuracy Y-axis Turning Center

LX series

- LX-2500, LX-2500M, LX-2500Y  
LX-3000, LX-3000M, LX-3000Y  
LX-2500L12, LX-2500ML12, LX-2500YL12  
LX-3000L12, LX-3000ML12, LX-3000YL12
- LX-2500L20, LX-2500ML20, LX-2500YL20  
LX-3000L20, LX-3000ML20, LX-3000YL20



Specifications

|                        | LX-2500L7                    | LX-2500L13                   | LX-2500L20                   | LX-2500ML7                   | LX-2500ML13                  | LX-2500ML20                  | LX-2500YL7                   | LX-2500YL13                  | LX-2500YL20                  |
|------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Max. Swing             | 625                          | 625                          | 625                          | 625                          | 625                          | 625                          | 780                          | 780                          | 780                          |
| Max. Turning Diameter  | 450 (T12) [470 (T10)]        | 450 (T12) [470 (T10)]        | 450 (T12) [470 (T10)]        | 420                          | 420                          | 420                          | 420                          | 420                          | 420                          |
| Max. Turning Length    | 732                          | 1367                         | 2117                         | 698                          | 1333                         | 2083                         | 698                          | 1333                         | 2083                         |
| Max. Bar Work Capacity | 81 [75 (G)]                  | 81 [75 (G)]                  | 81 [75 (G)]                  | 81 [75 (G)]                  | 81 [75 (G)]                  | 81 [75 (G)]                  | 81 [75 (G)]                  | 81 [75 (G)]                  | 81 [75 (G)]                  |
| Spindle Speed          | 3500 (B)(G)(P)<br>[3000] (P) | 3500 (B)(G)(P)<br>[3000] (P) | 3500 (B)(G)(P)<br>[3000] (P) | 3500 (B)(G)(P)<br>[3000] (P) | 3500 (B)(G)(P)<br>[3000] (P) | 3500 (B)(G)(P)<br>[3000] (P) | 3500 (B)(G)(P)<br>[3000] (P) | 3500 (B)(G)(P)<br>[3000] (P) | 3500 (B)(G)(P)<br>[3000] (P) |
| Chuck Size             | 10"                          | 10"                          | 10"                          | 10"                          | 10"                          | 10"                          | 10"                          | 10"                          | 10"                          |
| Number of Tools        | T12 (T10)                    | T12 (T10)                    | T12 (T10)                    | T12                          | T12                          | T12                          | T12                          | T12                          | T12                          |
| Number of Spindles     | 1                            | 1                            | 1                            | 1                            | 1                            | 1                            | 1                            | 1                            | 1                            |

|                        | LX-3000L7             | LX-3000L13            | LX-3000L20            | LX-3000ML7 | LX-3000ML13 | LX-3000ML20 | LX-3000YL7 | LX-3000YL13 | LX-3000YL20 |
|------------------------|-----------------------|-----------------------|-----------------------|------------|-------------|-------------|------------|-------------|-------------|
| Max. Swing             | 625                   | 625                   | 625                   | 625        | 625         | 625         | 780        | 780         | 780         |
| Max. Turning Diameter  | 450 (T12) [470 (T10)] | 450 (T12) [470 (T10)] | 450 (T12) [470 (T10)] | 420        | 420         | 420         | 420        | 420         | 420         |
| Max. Turning Length    | 715                   | 1350                  | 2100                  | 681        | 1316        | 2066        | 681        | 1316        | 2066        |
| Max. Bar Work Capacity | 90                    | 90                    | 90                    | 90         | 90          | 90          | 90         | 90          | 90          |
| Spindle Speed          | 2800                  | 2800                  | 2800                  | 2800       | 2800        | 2800        | 2800       | 2800        | 2800        |
| Chuck Size             | 12"                   | 12"                   | 12"                   | 12"        | 12"         | 12"         | 12"        | 12"         | 12"         |
| Number of Tools        | T12 (T10)             | T12 (T10)             | T12 (T10)             | T12        | T12         | T12         | T12        | T12         | T12         |
| Number of Spindles     | 1                     | 1                     | 1                     | 1          | 1           | 1           | 1          | 1           | 1           |

\* P : P Motor / G : Gear Box / B : Built-in Motor

\* P : P Motor / G : Gear Box / B : Built-in Motor

High Accuracy Y-axis Turning Center

EX series

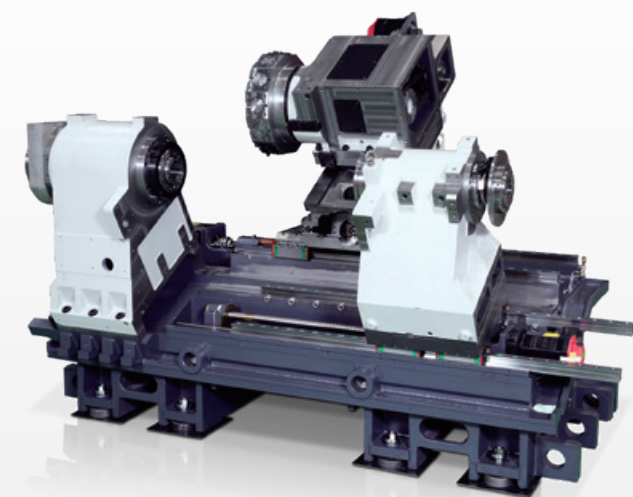
- EX-2000T
- EX-2000MT
- EX-2000S
- EX-2000MS
- EX-2000YT
- EX-2000YS



EX-2000

Specifications

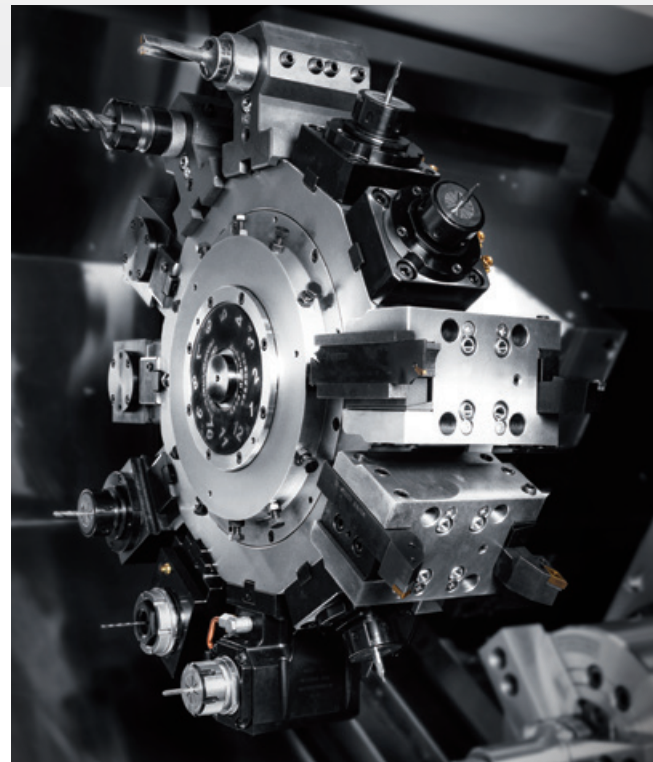
|                        | EX-2000T | EX-2000MT | EX-2000S    | EX-2000MS   | EX-2000YT | EX-2000YS   |
|------------------------|----------|-----------|-------------|-------------|-----------|-------------|
| Max. Swing             | 800      | 800       | 800         | 800         | 800       | 800         |
| Max. Turning Diameter  | 390      | 390       | 390         | 390         | 390       | 390         |
| Max. Turning Length    | 510.5    | 510.5     | 510.5       | 510.5       | 510.5     | 510.5       |
| Max. Bar Work Capacity | 65       | 65        | 65 / 52     | 65 / 52     | 65        | 65 / 52     |
| Spindle Speed          | 4500     | 4500      | 4500 / 5000 | 4500 / 5000 | 4500      | 4500 / 5000 |
| Chuck Size             | 8"       | —         | 8"          | 8"          | —         | 8"          |
| Number of Tools        | T12      | T12       | T12         | T12         | T12       | T12         |
| Number of Spindles     | 1        | 1         | 2           | 2           | 1         | 2           |



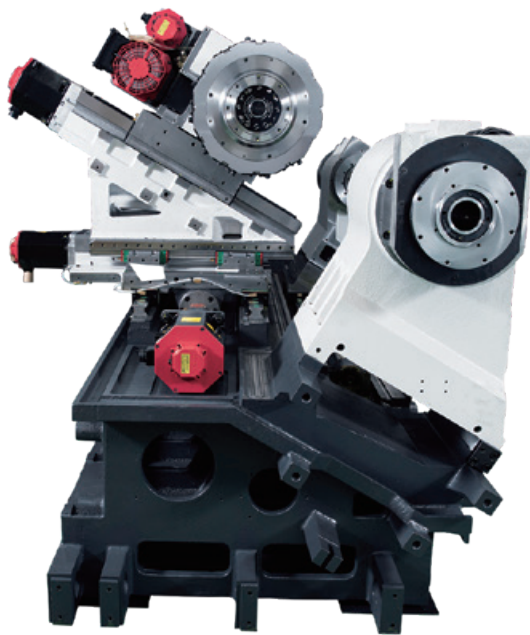
EX-2000



EX-2000



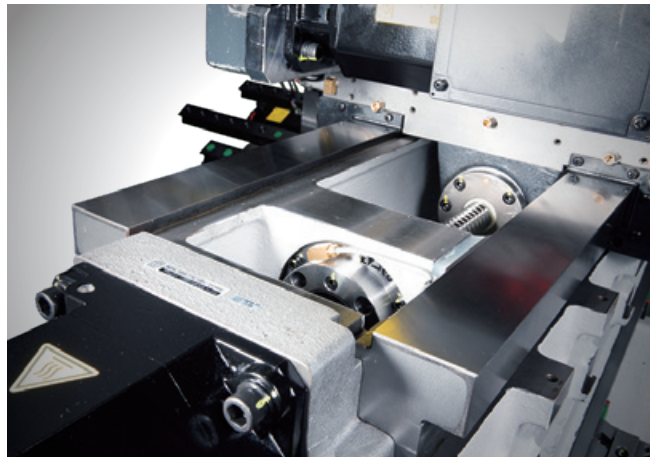
EX-2000



EX-2000



EX-2000



EX-2000

High Productivity Turning Center with Opposed Turrets

MX series

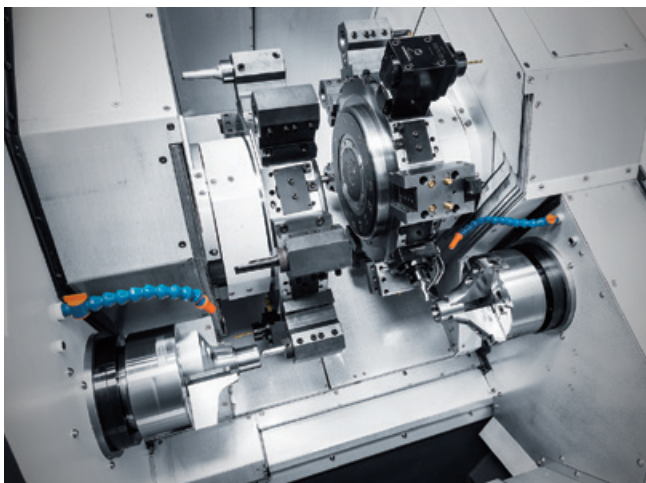
- MX-800
- MX-800M2
- MX-800Y
- MX-800Y2



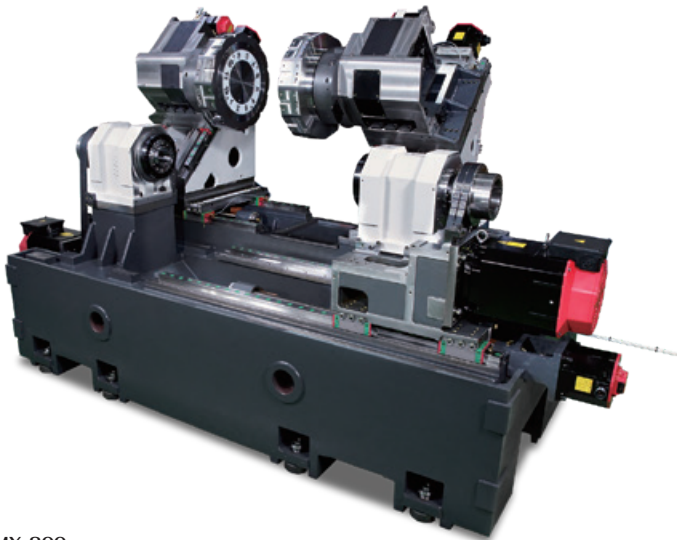
MX-800

Specifications

|                        | MX-800            | MX-800M2          | MX-800Y           | MX-800Y2          |
|------------------------|-------------------|-------------------|-------------------|-------------------|
| Max. Swing             | 310               | 310               | 310               | 310               |
| Max. Turning Diameter  | 310               | 310               | 310               | 310               |
| Max. Turning Length    | 250               | 250               | 250               | 250               |
| Max. Bar Work Capacity | 52 (65) / 52 (65) | 52 (65) / 52 (65) | 52 (65) / 52 (65) | 52 (65) / 52 (65) |
| Spindle Speed          | 4000 (3500)       | 4000 (3500)       | 4000 (3500)       | 4000 (3500)       |
| Chuck Size             | 8"                | 8"                | 8"                | 8"                |
| Number of Tools        | T12 + T12         | T15 + T15         | T15 + T15         | T15 + T15         |
| Number of Spindles     | 2                 | 2                 | 2                 | 2                 |



MX-800



MX-800

High Productivity Turning Center with Upper / lower Turrets

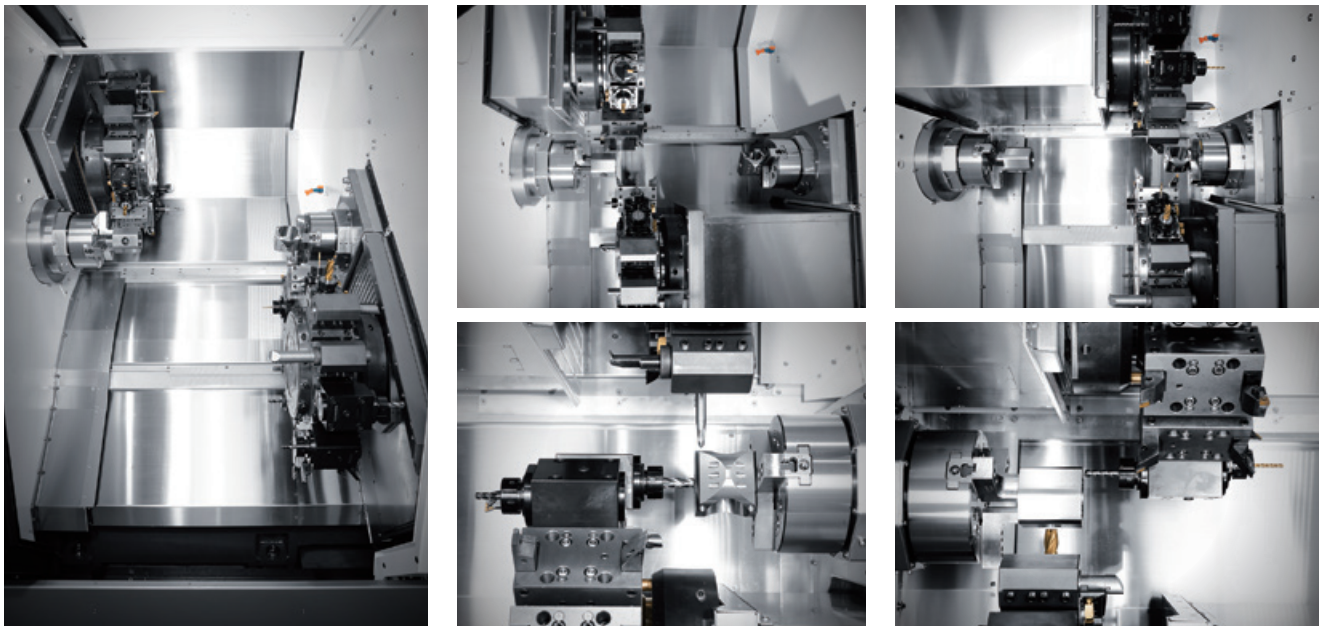
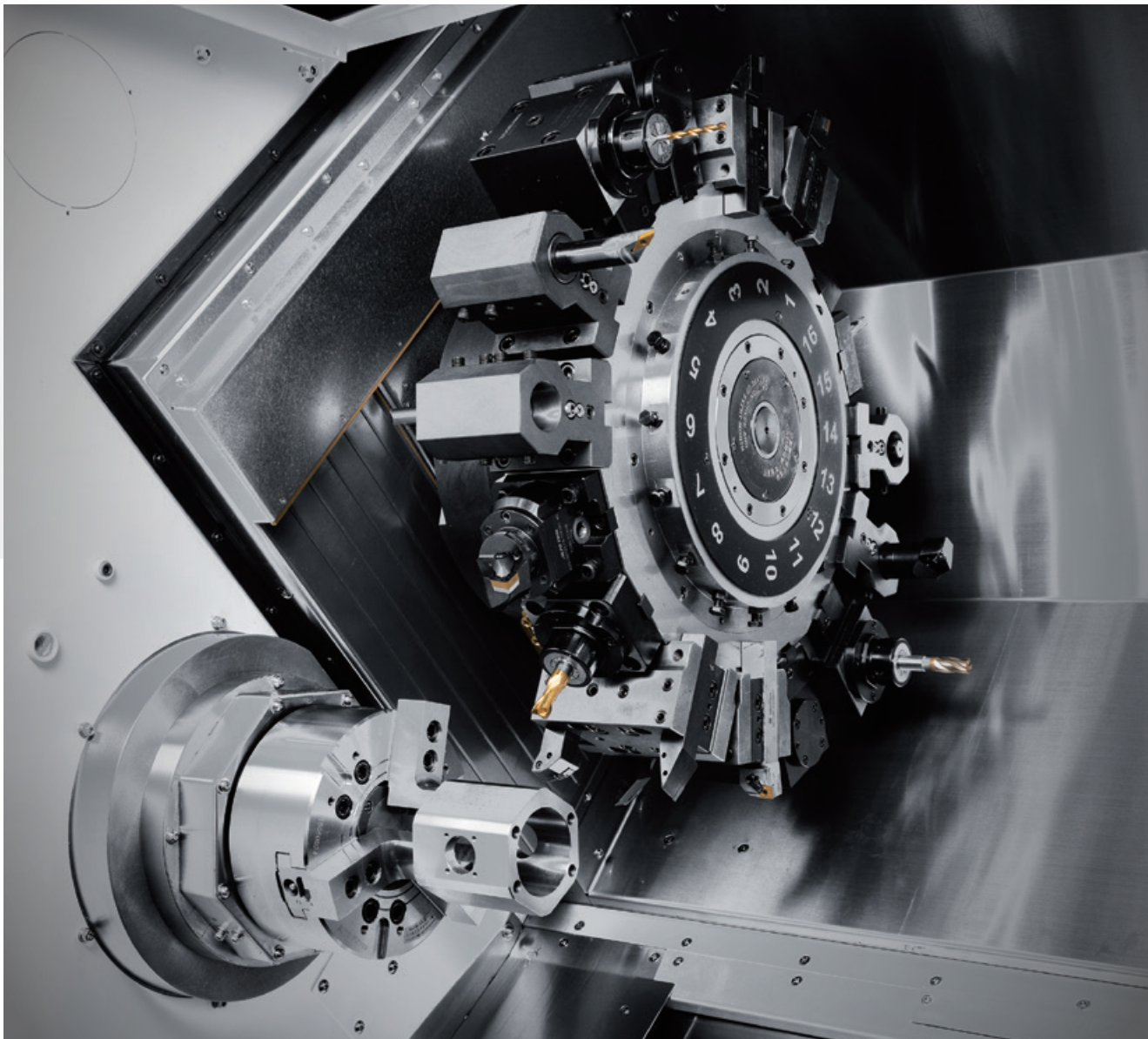
FX series

- FX-600
- FX-800
- FX-1500



Specifications

|                        | FX-600    | FX-800      | FX-1500                        |
|------------------------|-----------|-------------|--------------------------------|
| Max. Swing             | 220       | 310         | 230                            |
| Max. Turning Diameter  | 300       | 310         | 230                            |
| Max. Turning Length    | 510       | 657         | 524.5                          |
| Max. Bar Work Capacity | 42 / 42   | 65 / 52     | 42 (52/65) / 42 (52)           |
| Spindle Speed          | 6000      | 4500 / 5000 | 6000 (5000/4500) / 6000 (5000) |
| Chuck Size             | 6"        | 8"          | 6" (8") / 6" (8")              |
| Number of Tools        | T12 + T12 | T16 + T16   | T12 + T12                      |
| Number of Spindles     | 2         | 2           | 2                              |



FX-800

Heavy Duty Vertical Turning Center

VTL series

- VTL-350R

VTL-450R, VTL-450L,

VTL-450MR, VTL-450ML

VTL-750A
- VTL-760R, VTL-760L,

VTL-760MR, VTL-760ML

VTL-950R, VTL-950MR

VTL-1100R, VTL-1100MR



Specifications

|                       | VTL-350 | VTL-450 | VTL-450M | VTL-750A | VTL-760 | VTL-760M | VTL-950 | VTL-950M | VTL-1100 | VTL-1100M |
|-----------------------|---------|---------|----------|----------|---------|----------|---------|----------|----------|-----------|
| Max. Swing            | 650     | 600     | 600      | 1050     | 850     | 850      | 990     | 990      | 1330     | 1330      |
| Max. Turning Diameter | 470     | 460     | 460      | 780      | 800     | 800      | 950     | 950      | 1200     | 1200      |
| Max. Turning Length   | 415     | 415     | 380      | 765      | 700     | 680      | 860     | 860      | 985      | 985       |
| Spindle Speed         | 2500    | 2500    | 2500     | 1500     | 2000    | 2000     | 850     | 850      | 850      | 850       |
| Chuck Size            | 12"     | 12"     | 12"      | 24"      | 15"     | 15"      | 32"     | 32"      | 32"      | 32"       |
| Number of Tools       | T10     | T12     | T12      | T6       | T12     | T12      | T12     | T12      | T12      | T12       |
| Number of Spindles    | 1       | 1       | 1        | 1        | 1       | 1        | 1       | 1        | 1        | 1         |

Inverted Vertical Turning Center

YC series

YC-108, YC-308  
YC-110, YC-310  
YC-120



YC-110

|                     | YC-108 | YC-308 | YC-110 | YC-310 | YC-120 |
|---------------------|--------|--------|--------|--------|--------|
| Max. Swing          | 420    | 420    | 420    | 420    | 550    |
| Max. Turning Length | 358    | 358    | 358    | 358    | 360    |
| Spindle Speed       | 4000   | 4000   | 3500   | 3500   | 2800   |
| Chuck Size          | 8"     | 8"     | 10"    | 10"    | 12"    |
| Number of Tools     | T12    | T12    | T12    | T12    | T12    |
| Number of Spindles  | 1      | 1      | 1      | 1      | 1      |



YC-110



YC-110



YC-110