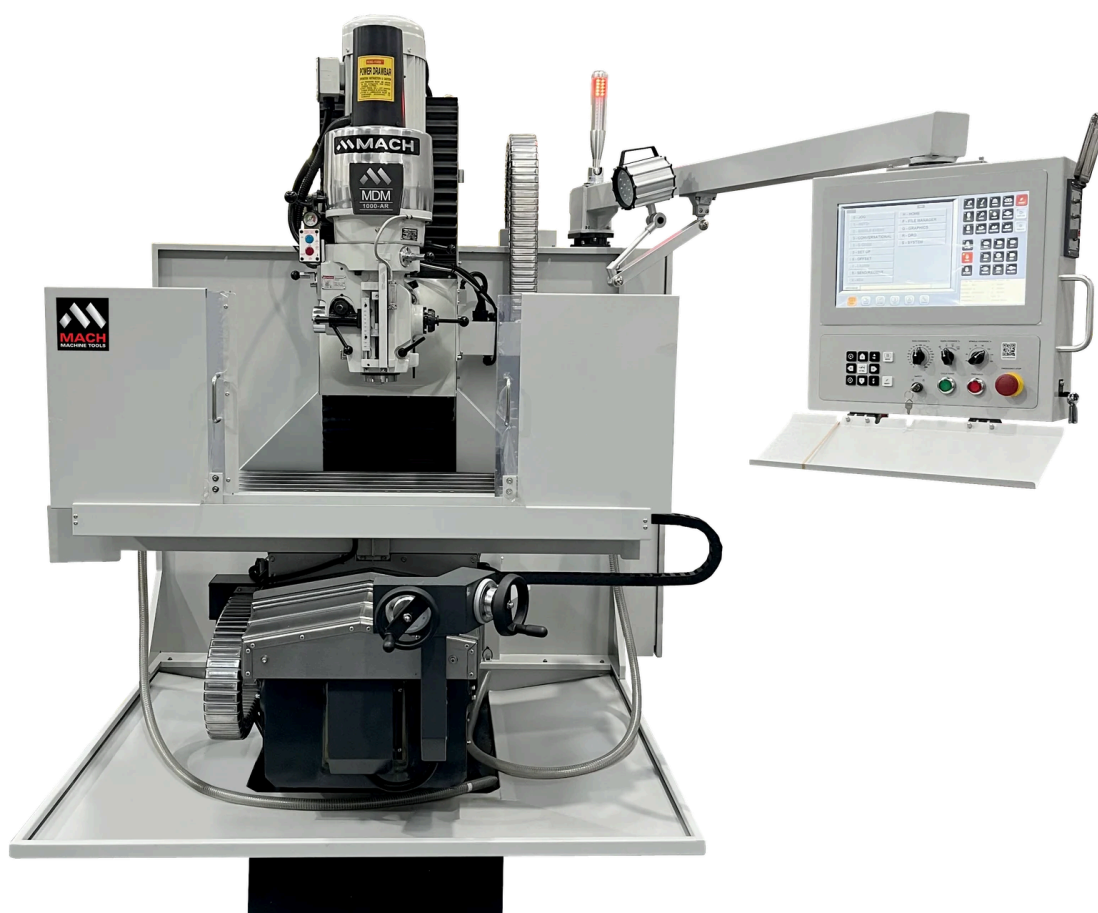




PARTS LIST

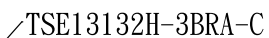
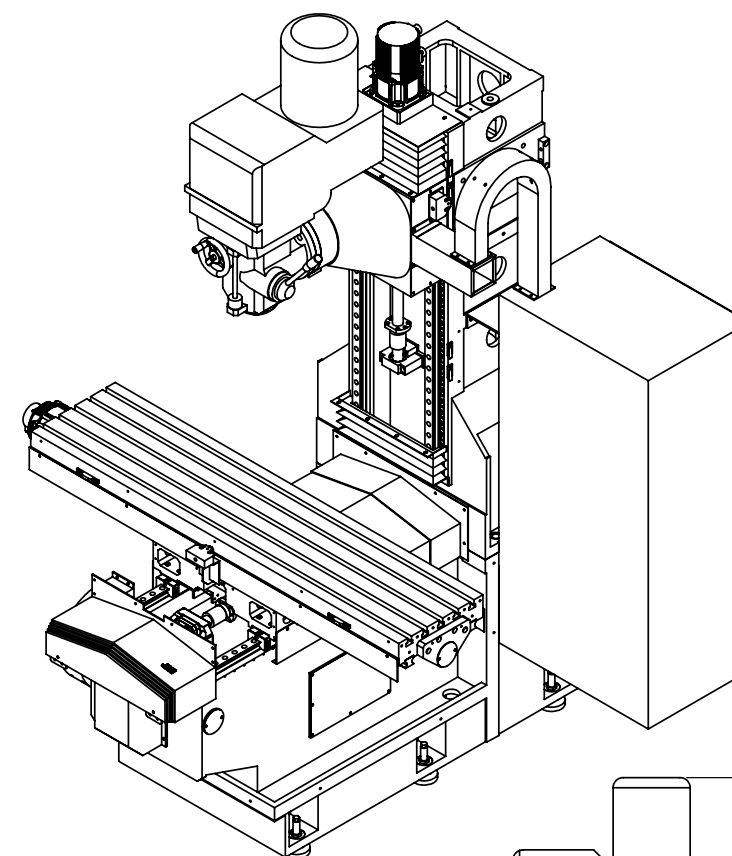
# MDM-1000

CNC Bed Mill



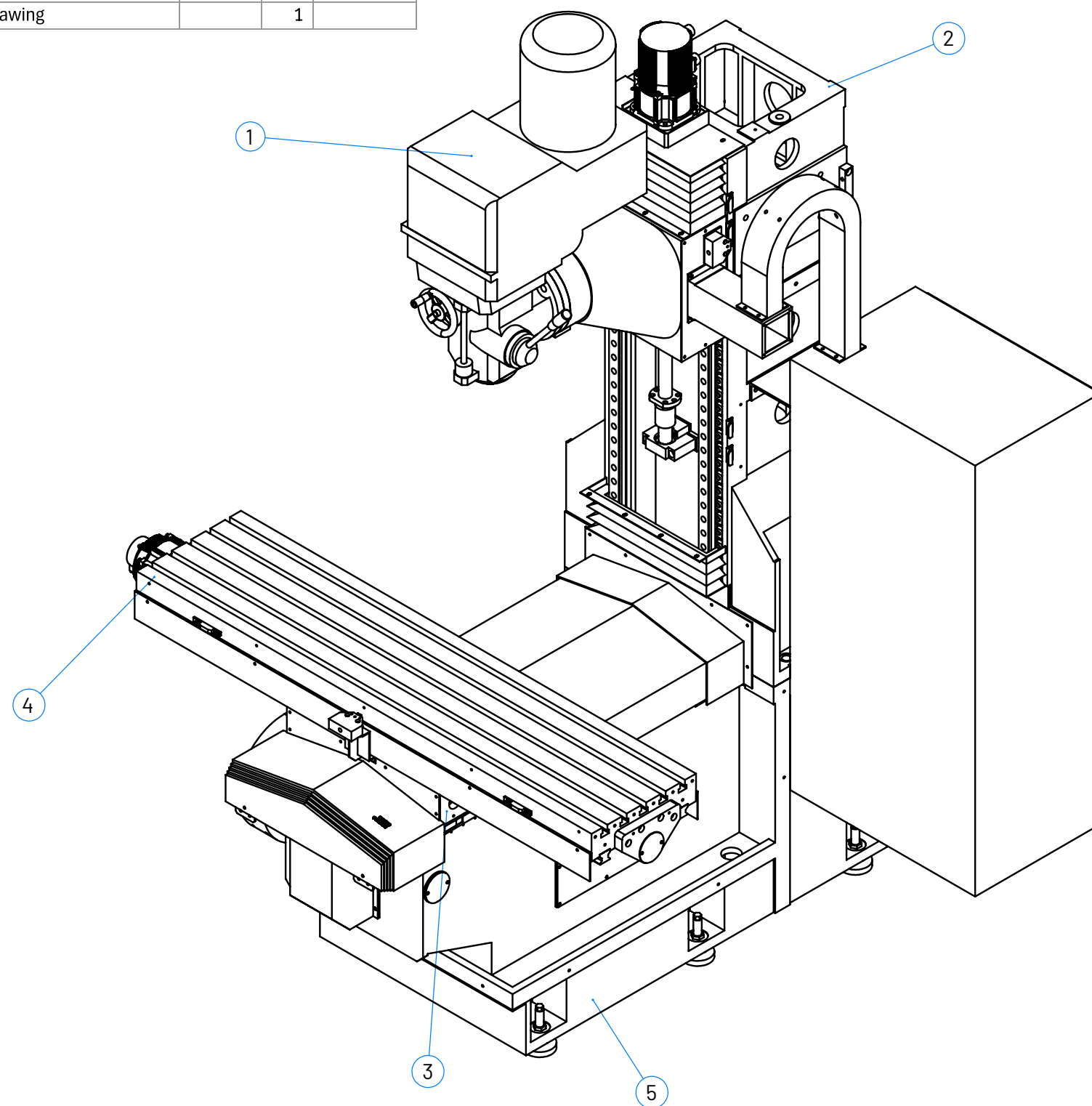
## Parts List

|   |                      |                   |
|---|----------------------|-------------------|
| A | Spindle Taper:       | NT40 / CAT40      |
|   | Spindle Size:        | Dia 100 mm        |
| B | Quill Travel:        | 127 mm            |
|   | Spindle RPM:         | 70 - 5000 RPM     |
|   | X Travel:            | 1000 mm           |
|   | Y Travel:            | 500 mm            |
|   | Z Travel:            | 610 mm            |
|   | Nose to Table:       | 120 - 730 mm      |
|   | Table Size:          | 1525 x 350 mm     |
|   | Max Table Load:      | 500 kg            |
| C | T-Slot Width x Dist: | 16 mm x 65 mm x 5 |



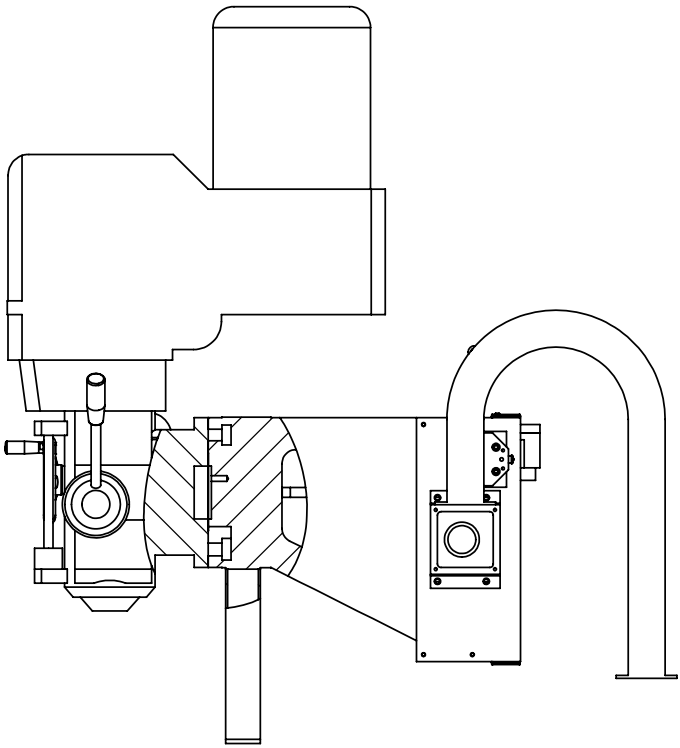
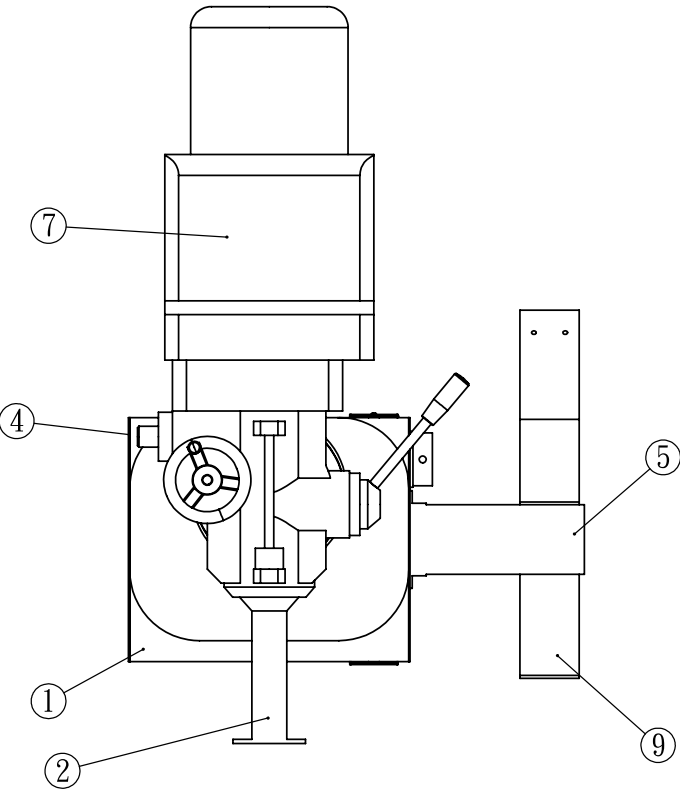
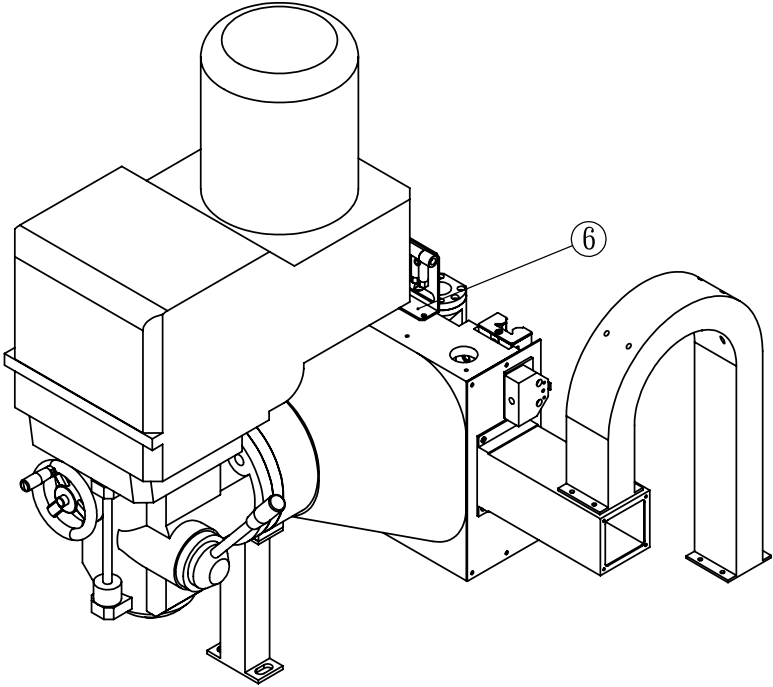
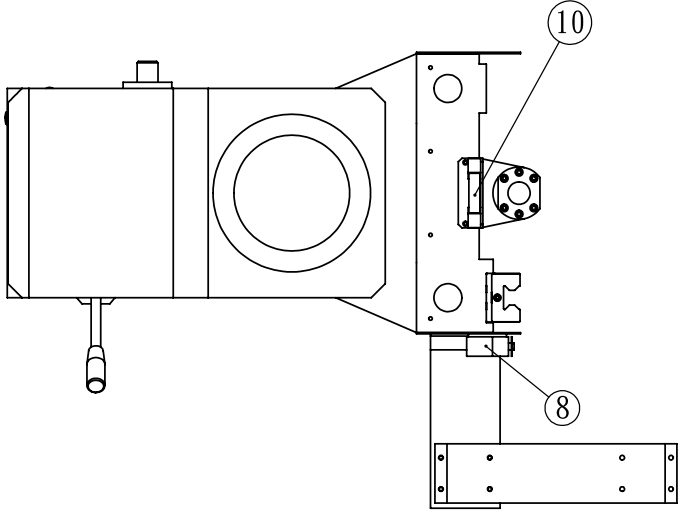
## MACH MDM-1000 Main Assemblies

| # | PART NUMBER | PART NAME                  | MATL | QTY | FASTENER |
|---|-------------|----------------------------|------|-----|----------|
| 1 | A3A01       | Head Assembly Drawing      |      | 1   |          |
| 2 | A3B01       | Column Assembly Drawing    |      | 1   |          |
| 3 | A3C01       | Saddle Assembly Drawing    |      | 1   |          |
| 4 | A3C02       | Worktable Assembly Drawing |      | 1   |          |
| 5 | A3D01       | Base Assembly Drawing      |      | 1   |          |



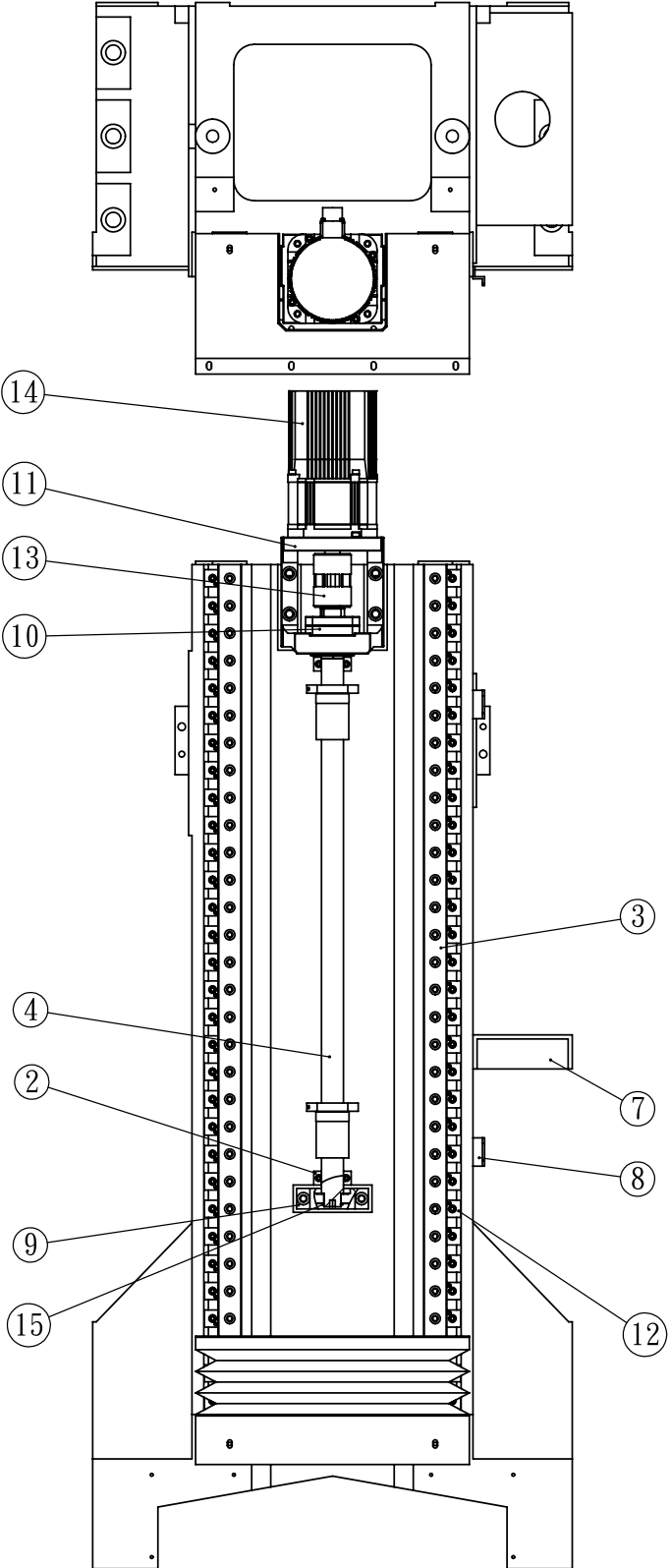
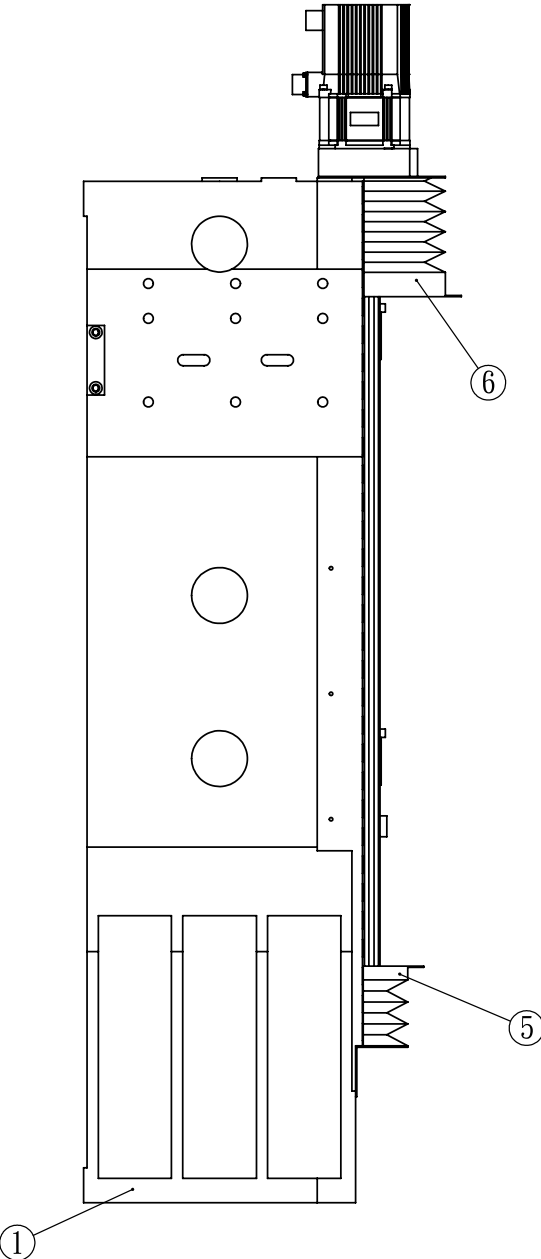
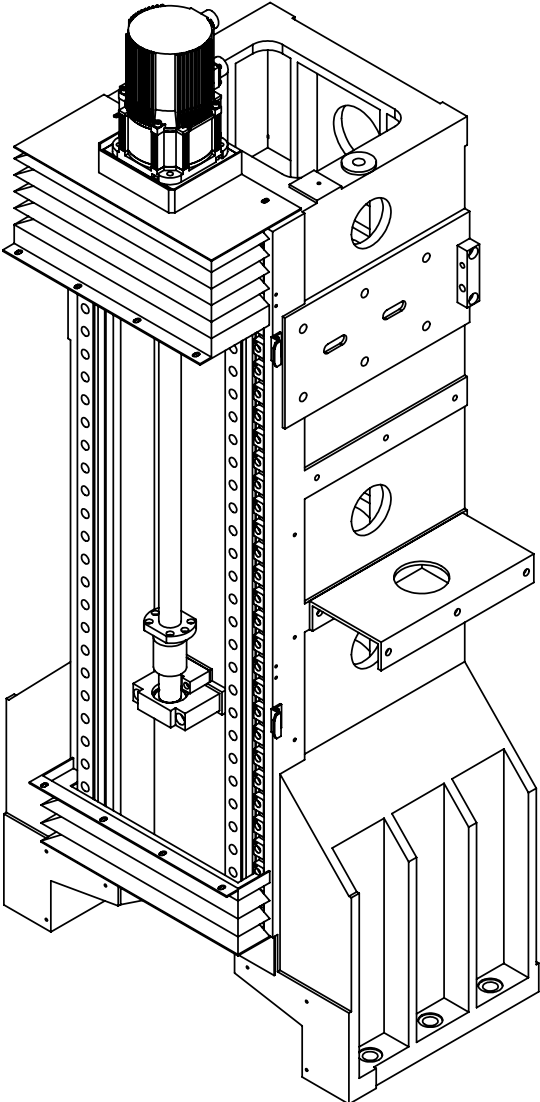
MACH MDM-1000 Parts List 1 of 5

| #  | PART NUMBER          | PART NAME                                  | MATL | QTY | FASTENER |
|----|----------------------|--------------------------------------------|------|-----|----------|
| 1  | A3A001               | Head Housing / Headstock Casting           | FC25 | 1   | M8X35-16 |
| 2  | A3L012               | Z-Axis Mounting Bracket                    | SS41 | 1   |          |
| 3  | A3L028               | Head Right Cover Plate                     | SS41 | 1   |          |
| 4  | A3L029               | Head Left Cover Plate                      | SS41 | 1   |          |
| 5  | A3L030               | Z-Axis Cable Carrier Support Bracket       | SS41 | 1   |          |
| 6  | A1L012               | Z-Axis Oil Distribution Manifold Interface | SS41 | 1   |          |
| 7  | NT40 #5              | Conventional Milling Head (No. 5 NT40)     |      | 1   |          |
| 8  | N1AD502-M            | Limit Switch                               |      | 1   | M6X30L-2 |
| 9  | SQ301-2R-100-860-NO7 | Enclosed Cable Drag Chain                  |      | 1   |          |
| 10 | DPB-15-0.16          | Volumetric Lubricant Distributor           |      | 1   | M6X1-L25 |



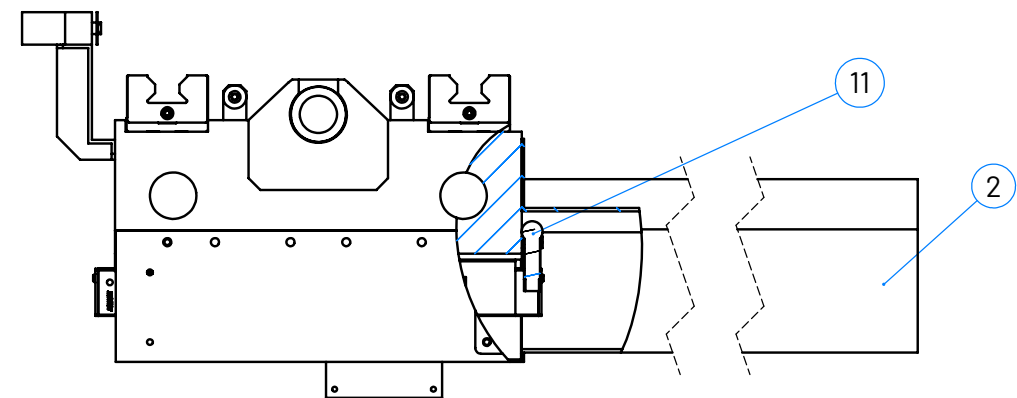
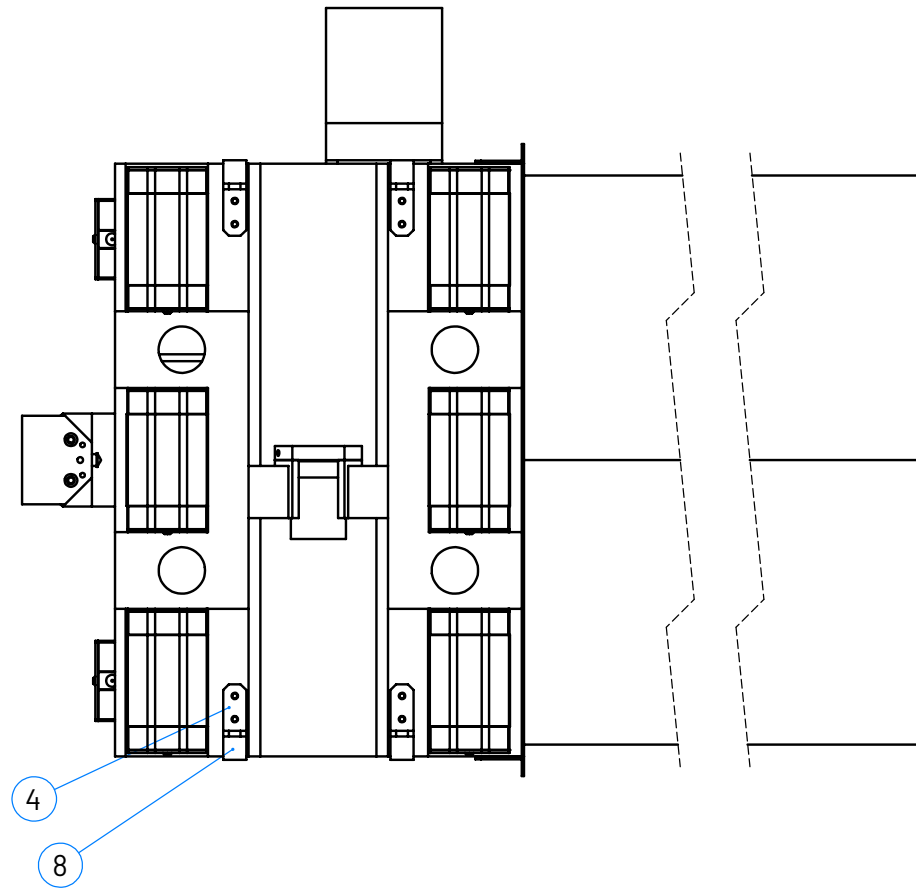
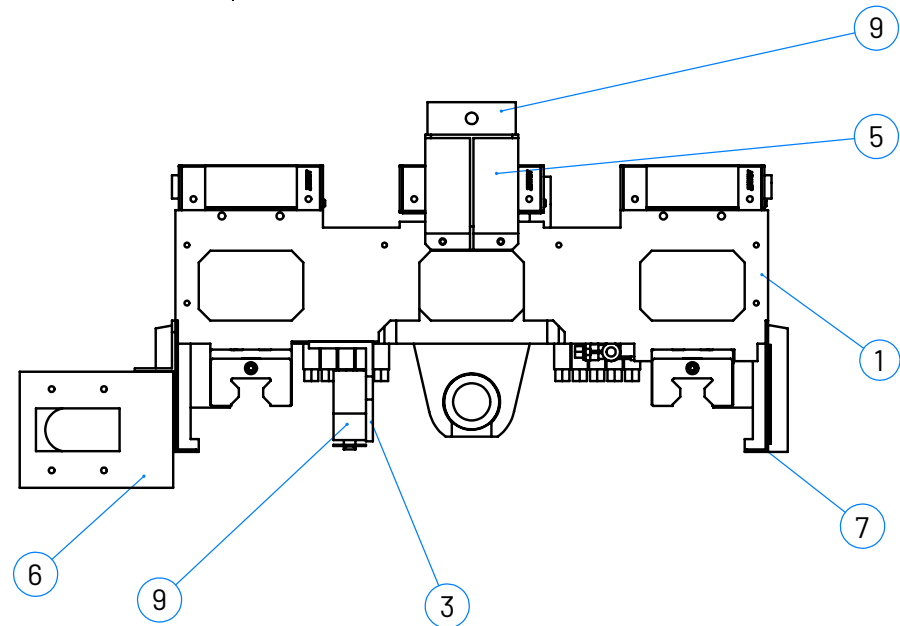
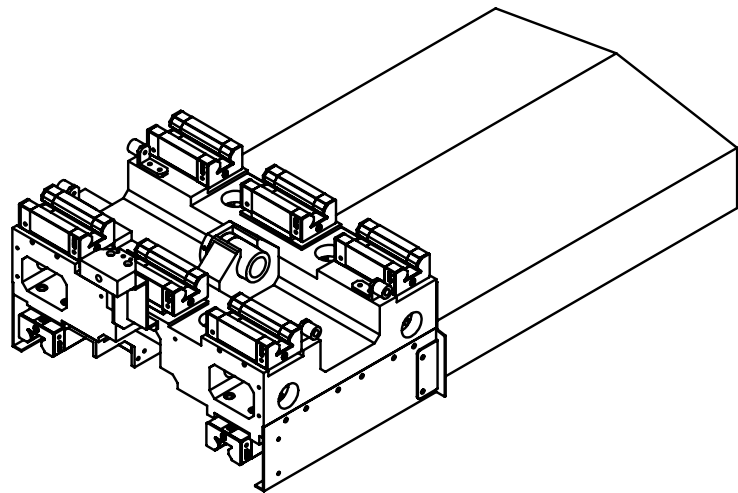
MACH MDM-1000 Parts List 2 of 5

| #  | PART NUMBER      | PART NAME                               | MATL     | QTY | FASTENER |
|----|------------------|-----------------------------------------|----------|-----|----------|
| 1  | A3B001           | Column                                  | FC25     | 1   | M20X70-6 |
| 2  | A3D002           | X-Axis Rear Bumper Block                | Urethane | 2   |          |
| 3  | A3F003           | Z-Axis Linear Guideway                  |          | 2   | M8X30-62 |
| 4  | A3F006           | Z-Axis Ball Screw                       |          | 1   |          |
| 5  | A3L026           | Z-Axis Telescopic Cover / Bellows       |          | 1   |          |
| 6  | A3L027           | Z-Axis Upper Telescopic Cover           |          | 1   |          |
| 7  | A3L032           | Electrical Enclosure Bracket            | SS41     | 1   |          |
| 8  | A3L033           | Z-Axis Limit Stopper Dog                | SS41     | 2   |          |
| 9  | BF25             | Ball Screw Support Unit (Supported End) |          | 1   | M10X75-2 |
| 10 | FK25-A           | Ball Screw Support Unit (Fixed End)     |          | 1   |          |
| 11 | MBB25L-G         | Motor Bracket / Drive Housing           |          | 1   | M12X80-4 |
| 12 | T2               | Linear Guide Clamp Block                |          | 62  |          |
| 13 | GS24-20X22XL78   | Flexible Coupling                       |          | 1   |          |
| 14 | TSF13132H-3BRA-C | Brake Servo Motor                       |          | 1   |          |
| 15 | R-25             | Shaft Retaining C-Ring / Circlip        |          | 1   |          |



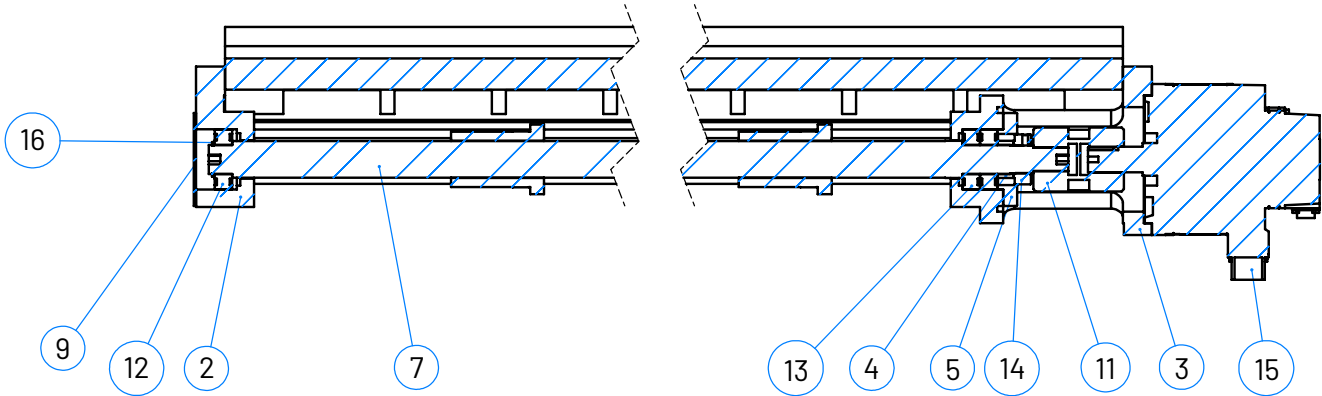
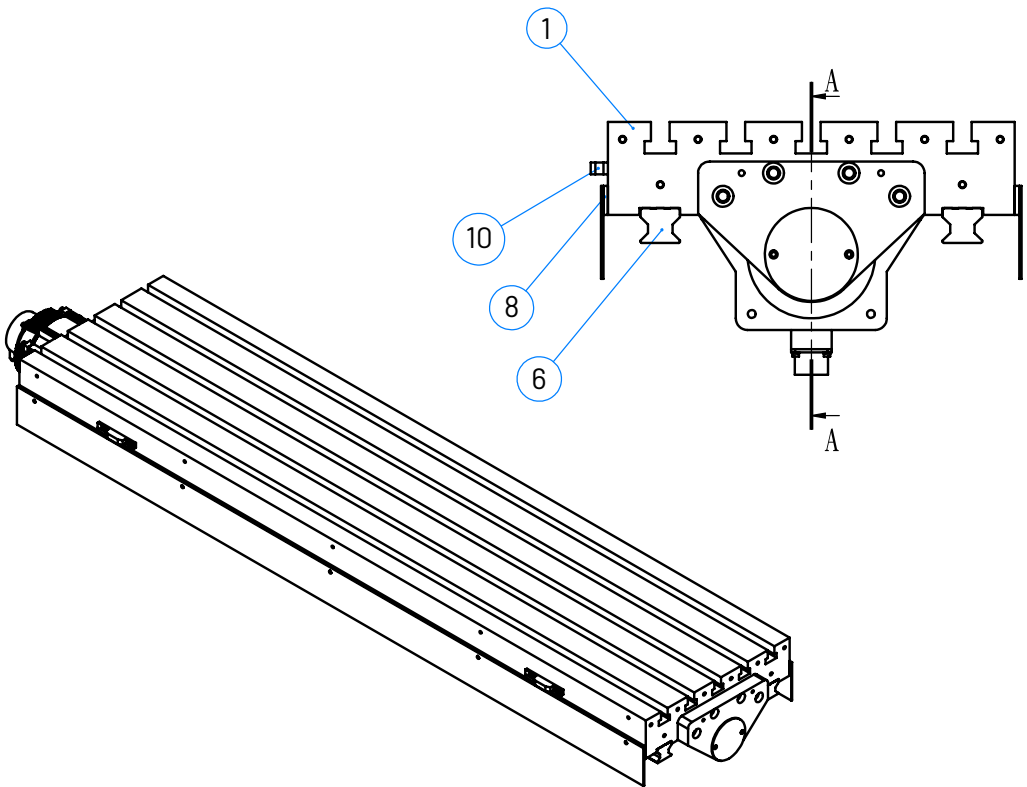
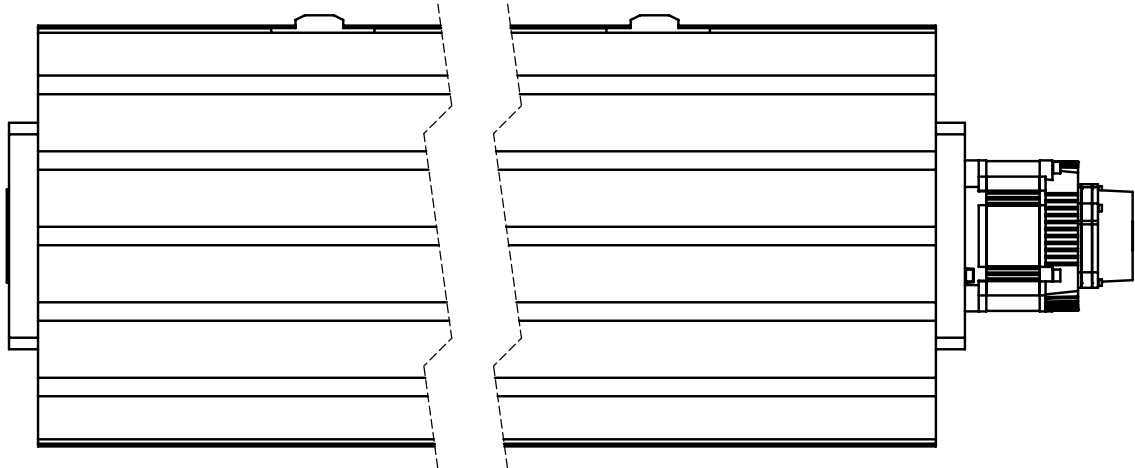
MACH MDM-1000 Parts List 3 of 5

| #  | PART NUMBER | PART NAME                            | MATL     | QTY | FASTENER |
|----|-------------|--------------------------------------|----------|-----|----------|
| 1  | A3C001      | Saddle                               | FC25     | 1   | M8X35-40 |
| 2  | A3L001      | Y-Axis Front Telescopic Cover        |          | 1   |          |
| 3  | A3L013      | Limit Switch Mounting Plate          | SS41     | 1   |          |
| 4  | A3L014      | X-Axis Bumper Stopper Block          | SS41     | 4   |          |
| 5  | A3L016      | X-Axis Limit Switch Mounting Bracket | SS41     | 1   |          |
| 6  | A3L018      | Y-Axis Cable Carrier Support Bracket | SS41     | 1   |          |
| 7  | A3L024      | Saddle Side Cover                    | SS41     | 2   |          |
| 8  | GM68007     | Bumper Block                         | Urethane | 4   |          |
| 9  | N1AD502-M   | Limit Switch                         |          | 2   | M6X30L-2 |
| 10 | RH-32       | Grease Distributor                   |          | 1   |          |
| 11 | DPB-15-0.16 | Volumetric Lubricant Distributor     |          | 2   | M6X1-L25 |



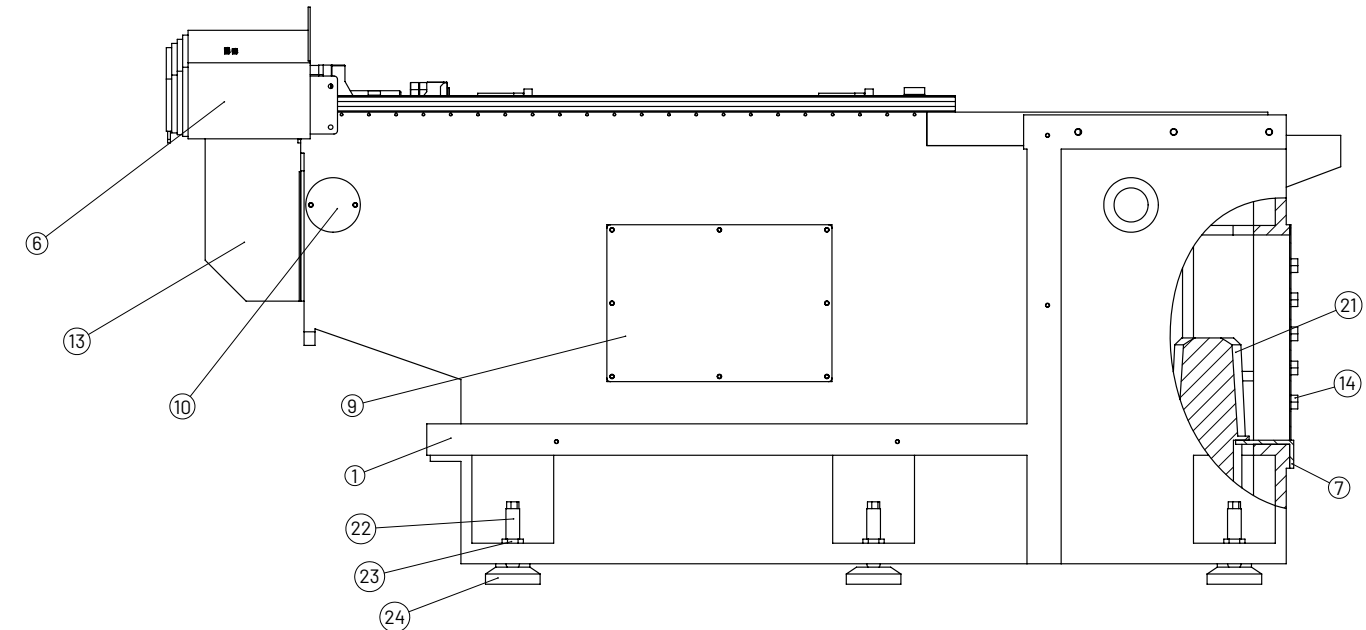
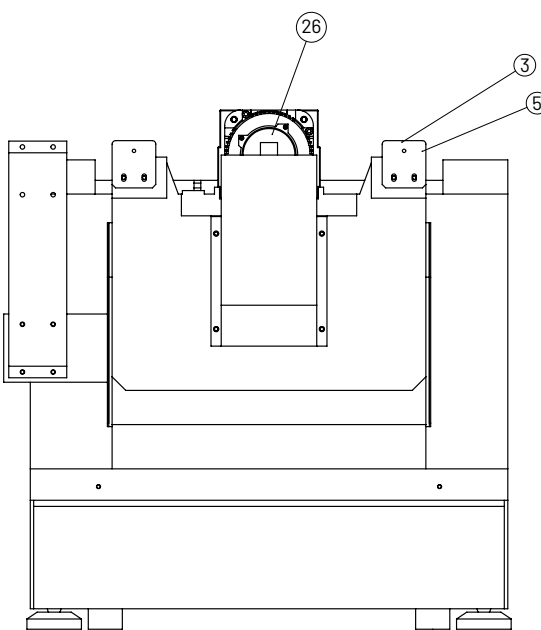
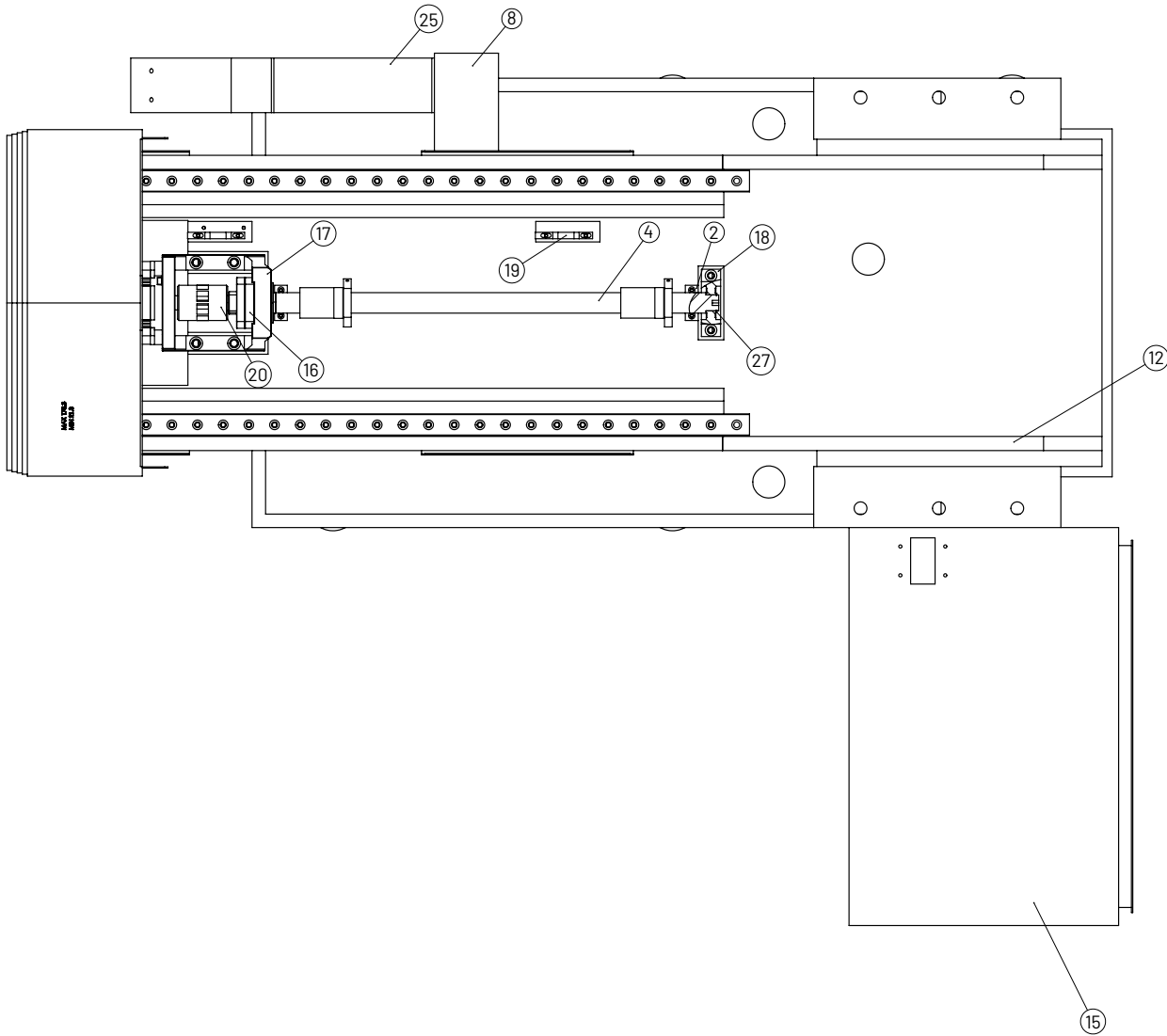
MACH MDM-1000 Parts List 4 of 5

| #  | PART NUMBER      | PART NAME                           | MATL | QTY | FASTENER |
|----|------------------|-------------------------------------|------|-----|----------|
| 1  | A3C002           | Worktable                           | FC25 | 1   |          |
| 2  | A3C003           | X-Axis Bearing Housing              | FC25 | 1   | M10X35-4 |
| 3  | A3C004           | X-Axis Motor Mount Bracket          | FC25 | 1   | M10X35-4 |
| 4  | A3C005           | Spacer Ring                         | S45C | 1   |          |
| 5  | A3C006           | Bearing Retainer Cover              | S45C | 1   |          |
| 6  | A3F001           | X-Axis Linear Guideway              |      | 2   | M8X30-76 |
| 7  | A3F004           | X-Axis Ball Screw                   |      | 1   |          |
| 8  | A3L015           | Worktable Side Cover                | SS41 | 2   |          |
| 9  | A3L020           | Cover Plate                         | SS41 | 1   |          |
| 10 | DSC-25           | Stopper / Dog Block                 |      | 2   |          |
| 11 | GS24-20X22XL78   | Flexible Coupling                   |      | 1   |          |
| 12 | 6205             | Deep Groove Ball Bearing (6205)     |      | 1   |          |
| 13 | 7205             | Angular Contact Ball Bearing (7205) |      | 2   |          |
| 14 | MRN25X1.5P       | Square Precision Locknut            |      | 1   |          |
| 15 | TSF13851H-3NRA-C | Servo Motor                         |      | 1   | M8X25-4  |
| 16 | R-25             | Shaft Retaining C-Ring / Circlip    |      | 1   |          |



MACH MDM-1000 Parts List 5 of 5

| #  | PART NUMBER          | PART NAME                               | MATL     | QTY | FASTENER |
|----|----------------------|-----------------------------------------|----------|-----|----------|
| 1  | A1D001               | Base / Bed                              | FC25     | 1   | M4X12=40 |
| 2  | A3D002               | X-Axis Rear Bumper Block                | Urethane | 2   |          |
| 3  | A1F002               | Y-Axis Linear Guideway                  |          | 2   | M8X30=40 |
| 4  | A1F005               | Y-Axis Ball Screw                       |          | 1   |          |
| 5  | A1L008               | Y-Axis Cover Front Support Rail (Right) | SS41     | 1   |          |
| 6  | A1L003               | Y-Axis Front Telescopic Cover           |          | 1   |          |
| 7  | A3L004               | Pump Mounting Bracket                   | SS41     | 1   |          |
| 8  | A3L017               | Y-Axis Cable Carrier Support Bracket    | SS41     | 1   |          |
| 9  | A3L019               | Base Side Cover Plate                   | SS41     | 1   |          |
| 10 | A3L020               | Cover Plate                             | SS41     | 2   |          |
| 11 | A1L002               | Y-Axis Cover Front Support Rail (Left)  | SS41     | 1   |          |
| 12 | A1L007               | Y-Axis Cover Rear Support Rail          | SS41     | 2   |          |
| 13 | A3L023               | Base Front Cover                        | SS41     | 1   |          |
| 14 | A3L025               | Base Rear Cover Plate                   | SS41     | 1   |          |
| 15 | A3L031               | Electrical Enclosure / Cabinet          | SS41     | 1   |          |
| 16 | FK25-A               | Ball Screw Support Unit (Fixed End)     |          | 1   |          |
| 17 | MBB25L-G             | Motor Bracket / Drive Housing           |          | 1   | M12X80=4 |
| 18 | BF25                 | Ball Screw Support Unit (Supported End) |          | 1   | M10X75=2 |
| 19 | DSC-25               | Stopper / Dog Block                     |          | 2   |          |
| 20 | GS24-20X22XL78       | Flexible Coupling                       |          | 1   |          |
| 21 | DV16-150             | Submersible Coolant Pump                |          | 1   |          |
| 22 | LB-C20               | Leveling / Adjusting Bolt               |          | 6   |          |
| 23 | LN-20                | Hex Nut                                 |          | 6   |          |
| 24 | LPC-0825             | Leveling / Foot Pad                     |          | 6   |          |
| 25 | SQ301-2R-100-740-N07 | Enclosed Cable Drag Chain               |          | 1   |          |
| 26 | TSF13851H-3NRA-C     | Servo Motor                             |          | 1   | M8X25=4  |
| 27 | R-25                 | Shaft Retaining C-Ring / Circlip        |          | 1   |          |



|                        |          |          |
|------------------------|----------|----------|
| MACH Machine Tools Ltd |          |          |
| 機種                     | MDM-1000 | 圖號 A3D01 |
| 名稱                     | 底座組合圖    |          |



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