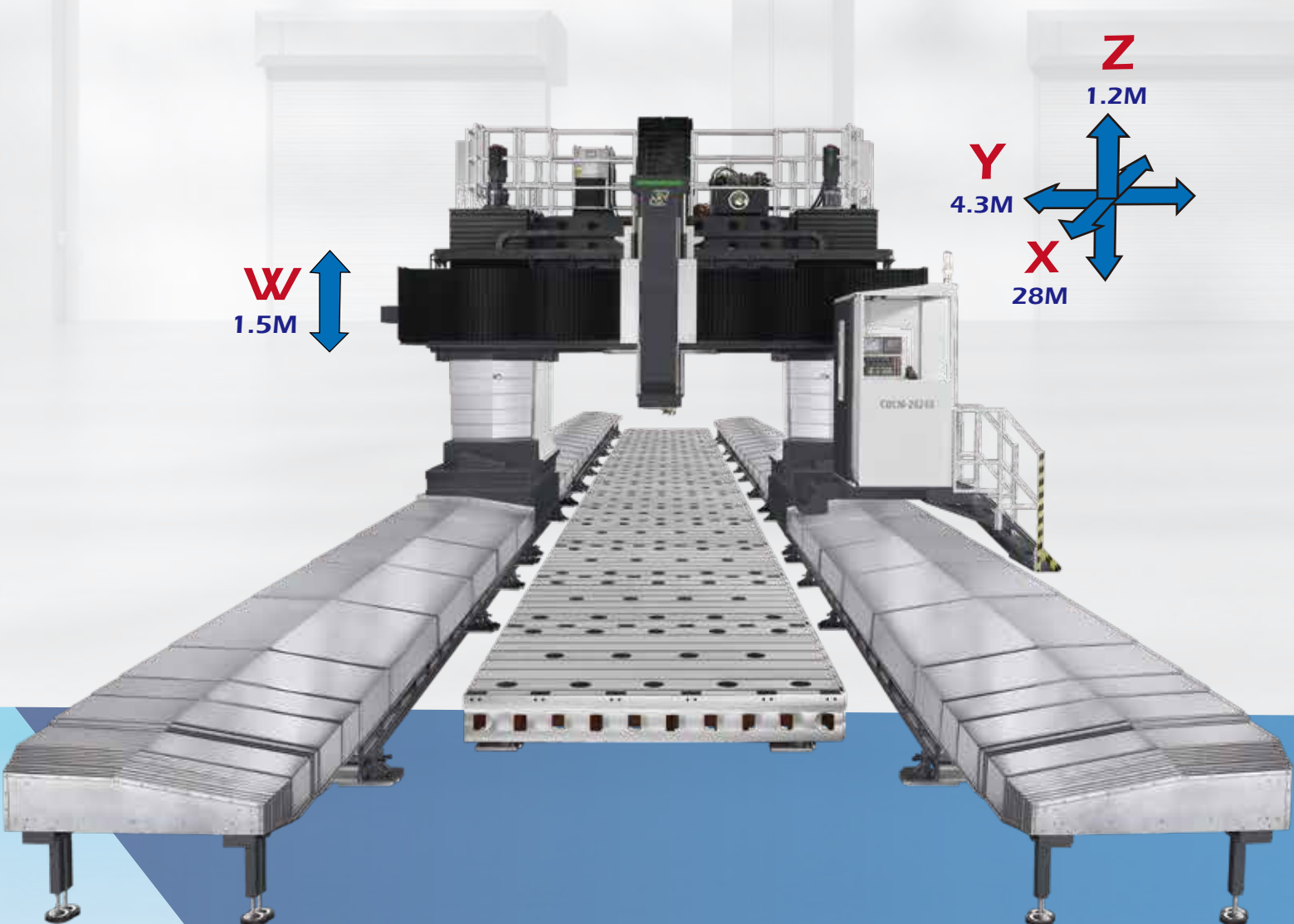


# BCM SERIES

## [ Beam and Column Moving DMC ]

- ▶ W axis and Z axis of box way design move simultaneously and process with a 5-face milling head.
- ▶ W axis comes with multi-brakes control system and pressure-holding mechanism to ensure minimum backlash compensation when W axis moves
- ▶ The patent of crossbeam clamping mechanism is designed with hydraulic brakes and full-travel wear compensation to perfectly maintain accuracy when moving .



# MACHINE SPECIFICATION

| Model                        | Unit               | xx38                                   | xx43  | xx48  | xx53  |
|------------------------------|--------------------|--|-------|-------|-------|
| Travel                       |                    |  |       |       |       |
| X axis                       | mm                 | 6,200-36,200                           |       |       |       |
| Y axis                       | mm                 | 3,800                                  | 4,300 | 4,800 | 5,300 |
| Z axis                       | mm                 | 1,000 (1,200 / 1,500 opt.)             |       |       |       |
| W axis                       | mm                 | 1,000 (1,200 / 1,500 opt.)             |       |       |       |
| Spindle nose to table        | mm                 | 500~2,500 (500~2,750 / 500~3,000 opt.) |       |       |       |
| Distance between columns     | mm                 | 3,300                                  | 3,800 | 4,300 | 4,800 |
| Table                        |                    |  |       |       |       |
| Table dimensions (L)         | mm                 | 6,000-36,000                           |       |       |       |
| Table dimensions (W)         | mm                 | 2,000                                  | 2,500 | 3,000 | 3,500 |
| T-slot (width x pitch)       | mm                 | 28x250                                 |       |       |       |
| Max. table load              | kg/m <sup>2</sup>  | 5,000                                  |       |       |       |
| Spindle                      |                    |  |       |       |       |
| Motor (cont./30 min)         | kW                 | 22/26 (30/37 opt.)                     |       |       |       |
| Speed (2 step gear type)     | rpm                | 6,000                                  |       |       |       |
| Spindle taper                | -                  | BT-50/ISO50/CAT50                      |       |       |       |
| Feed                         |                    |  |       |       |       |
| Rapid feed-rate (X/Y/Z)      | m/min              | 12/12/12/2                             |       |       |       |
| Cutting feed-rate            | mm/min             | 7,000                                  |       |       |       |
| ATC                          |                    |  |       |       |       |
| Tool storage capacity        | pcs                | 40T (60T /90T opt.)                    |       |       |       |
| Max. tool length             | mm                 | 350                                    |       |       |       |
| Max. tool weight             | kg                 | 20                                     |       |       |       |
| Max. tool size (full pocket) | mm                 | Φ125                                   |       |       |       |
| Max. tool size (next pocket) | mm                 | Φ245                                   |       |       |       |
| Other                        |                    |  |       |       |       |
| Power consumption            | kVA                | 80                                     | 80    | 80    | 80    |
| Compressed air               | kg/cm <sup>2</sup> | 6.5                                    | 6.5   | 6.5   | 6.5   |

※ All specification are subjected to change without prior notice.