

| Content | NAME | NN-3X | NN-10EX2 | NN-20SB | NN-20/25UB8 | NN-10/20J3 | NN-20J3XB | NN-32UB8 | NN-32/38KM | NN-32YB3 | NN-32YB3XB | NN-32J | NN-38UB8 | |
|-------------------------------|-----------------|-----------------------------------|---|--|--|--|--|---|--|---|--|--|---|---|
| | TYPE | S | S | S | S/N | S | S | S | S | S/N | S/N | S | S/N | |
| | NC | Fanuc 0i-TF Plus | Mitsubishi M80 TypeA / Fanuc 0i-TF Plus | Mitsubishi M80 TypeA / Fanuc 0i-TF Plus | Mitsubishi M80 TypeA / Fanuc 0i-TF Plus | Mitsubishi M80 TypeA / Fanuc 0i-TF Plus | Mitsubishi M80 TypeA / Fanuc 0i-TF Plus | Mitsubishi M80 TypeA / Fanuc 0i-TF Plus | Mitsubishi M80 TypeA / Fanuc 0i-TF Plus | Mitsubishi M80 TypeA / Fanuc 0i-TF Plus | Mitsubishi M80 TypeA / Fanuc 0i-TF Plus | Mitsubishi M80 TypeA | Mitsubishi M80 TypeA / Fanuc 0i-TF Plus | Mitsubishi M80 TypeA / Fanuc 0i-TF Plus |
| Photo | | | | | | | | | | | | | | |
| \$1 Tool Lay-out [MAIN] | | | | | | | | | | | | | | |
| \$2 Tool Lay-out [SUB] | | | | | | | | | | | | | | |
| Max. Machining capacity (Ø) | | Ø3 | Ø10 | Ø20 | Ø20 / Ø25 | Ø10 / Ø20 | Ø20 | Ø32 | Ø38 | Ø32 | Ø32 | Ø32 | Ø38mm (OP : Ø42mm) | |
| \$1 | Max. rpm | 16,000rpm | 15,000rpm | 10,000rpm | 10,000rpm | 15,000rpm / 10,000rpm | 10,000rpm | 8,000rpm | 8,000rpm | 8,000rpm | 8,000rpm | 8,000rpm | 8,000rpm | |
| | Power | 1.1/0.75kW | 3.7/1.5kW (Mitsubishi) 3.7/2.2kW (Fanuc) | 3.7/1.5kW | 3.7/2.2kW | 3.7/1.5kW | 3.7/1.5kW | 5.5/3.7kW (Mitsubishi) 7.5/5.5kW (Fanuc) | 7.5/5.5kW (Mitsubishi) 11.0/7.5kW (Fanuc) | 5.5/3.7kW (Mitsubishi) 7.5/5.5kW (Fanuc) | 5.5/3.7kW | 7.5/3.7kW (Mitsubishi) 9.0/5.5kW (Fanuc) | 7.5/5.5kW (Mitsubishi) 11.0/7.5kW (Fanuc) | |
| \$2 | Max. rpm | 16,000rpm | 15,000rpm | 10,000rpm | 8,000rpm | 15,000rpm / 10,000rpm | 10,000rpm | 6,000rpm | 8,000rpm | 8,000rpm | 8,000rpm | 8,000rpm | 8,000rpm | |
| | Power | 1.1/0.75kW | 1.1/0.75kW | 3.7/1.5kW | 1.5/0.55kW (Mitsubishi) 2.2/1.5kW (Fanuc) | 3.7/1.5kW | 3.7/1.5kW | 3.7/1.5kW (Mitsubishi) 2.2/1.5kW (Fanuc) | 7.5/3.7kW (Mitsubishi) 7.5/5.5kW (Fanuc) | 3.7/1.5kW (Mitsubishi) 5.5/2.2kW (Fanuc) | 3.7/1.5kW | 7.5/3.7kW (Mitsubishi) 9.0/5.5kW (Fanuc) | 5.5/3.7kW | |
| Max. Number of tools | | 16 tools (OP : 17) | 22 tools | 24 tools | STD/K: 21 tools K2: 23 tools | 30 tools | Type A: 29 tools Type B: 28 tools Type C: 27 tools | STD/K: 21 tools K2: 23 tools | 5 axis: 26 tools 6 axis: 28 tools | 31 tools | 39 tools | 32 tools | K: 24 tools K2: 26 tools | |
| \$1 | O.D. | Number of tools | 8 tools | 6 tools | 5 tools | 5 tools | 6 tools | Type A/C: 5 tools Type B: 6 tools | 5 tools | 5 tools | 6 tools | 6 tools | 6 tools | 5 tools |
| | | Bite size | □8 | □10 | □12.7 | 20UB8: □12.7 25UB8: □12.7x3+□16x2 | □12.7 | □12.7 | □12.7x3, □16x2 | □16 | □16 | □16 | □16 | □20 |
| | I.D. | Number of tools | 3(ER8)(OP:Rear 3) | 4 (ER11) (OP : Rear 4) | 5 (ER11x3 +ER16x2) (OP : Rear 5) | 4 (ER16) (OP: Rear 4) | 4 (ER16) (OP : Rear 4) | 4 (ER16) | 4 (ER16X3+ER20X1) (OP : Rear 4) | 5 (ER16X3+ER20X2) (OP : Rear 5) | 4 (ER16X3+ER20X1) (OP : Rear 4) | ER16X5tools (OP : Rear5) ER20X1tools (OP : Rear1) | 5 (ER16X2, ER20x3) | 5 (ER16X3+ER20X2) (OP : Rear 5) |
| | | Max. rpm | 9,000rpm | 10,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm |
| | | Power | 0.35kW | 0.4/0.15kW (Mitsubishi) 0.5kW (Fanuc) | 0.9kW (Mitsubishi) 1.0kW (Fanuc) | 0.75kW (Mitsubishi) 1.0kW (Fanuc) | 1.5/0.55kW (Mitsubishi) 1.0kW (Fanuc) | 1.5/0.55kW (Mitsubishi) 1.0kW (Fanuc) | 1.5kW (Mitsubishi) 1.0kW (Fanuc) | 1.5kW (Mitsubishi) 2.2kW (Fanuc) | 1.5/0.55kW (Mitsubishi) 1.0kW (Fanuc) | 1.5kW | 1.5kW (Mitsubishi) 2.2kW (Fanuc) | 1.5kW (Mitsubishi) 2.2kW (Fanuc) |
| Cross | Number of tools | 2 (ER11)(OP: 3) | 4 (ER11) | 4 (ER16) | 4 (ER16) | 5 (ER16) | Type A/C: 5 (ER16)(B axis) Type B: 5 (ER16) | 4 (ER16) | 5 (ER16) | 6 (ER20) | 5 (ER20) 5 (ER11) | 5 (ER20) | 5 (ER20) | |
| \$2 | O.D. | Number of tools | - | - | STD: 1 tool K/K2: - | 2 tools | 2 tools | STD: 1 tool K/K2: - | - | 2 tools | 2 tools | 2 tools | - | |
| | | Bite size | - | - | □10 | □12.7 | □12.7 | □10 | - | □16 | □16 | □16 | - | |
| | I.D. | Number of tools | - | STD: 4 (ER11) K: 2 (ER11) | 3 (ER16) | K: 2(ER16) STD/K2: 3(ER16) | 3 (ER16) | 3 (ER16) | K: 2 (ER16) STD/K2: 3 (ER16) | 5 axis: 2 (ER16) 6 axis: 4 (ER16) | 3 (ER16) | 3 (ER16) | 5 (ER16x4, ER20x1) STD/K2: 3 (ER16X1 + ER20X2) | |
| | | ECC | Number of tools | - | STD: - K: 2 (ER11) | 2 (ER16) | K: 2 (ER16) K2: 3 (ER16) STD: - | 3 (ER11) | Type A: 3 (ER11) Type B/C: - | K: 2 (ER16) K2: 3 (ER16) STD: - | 5 axis: 2 (ER16) 6 axis: 4 (ER16) | 3 (ER16) | 5 (ER16x4, ER20x1) | K: 2 (ER20) K2: 3 (ER16X1 + ER20X2) |
| | Cross | Number of tools | - | - | - | 3 (ER16) | Type A: 3 (ER16) Type B/C: 4 (ER16)(B axis) | - | - | 3 (ER16) | 3 (ER16) | 4 (ER16x3, ER20x1) | - | |
| Rotary | Max. rpm | - | - | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | 6,000rpm | |
| | Power | - | - | 0.9kW (Mitsubishi) 1.0kW (Fanuc) | 0.4kW (Mitsubishi) 0.5kW (Fanuc) | 1.5/0.55kW (Mitsubishi) 1.0kW (Fanuc) | 1.5/0.55kW (Mitsubishi) 1.0kW (Fanuc) | 0.9kW (Mitsubishi) 1.0kW (Fanuc) | 0.9kW (Mitsubishi) 1.0kW (Fanuc) | 1.5/0.55kW (Mitsubishi) 1.0kW (Fanuc) | 1.5kW | 1.5kW (Mitsubishi) 2.2kW (Fanuc) | 0.9kW (Mitsubishi) 1.0kW (Fanuc) | |
| No. of Axis (C1, C2 excluded) | | 4 | 5 | 5 | 5 | 6 | Type A/B: 7 Type C: 8 | 5 | 5 / 6 | 6 | 7 | 6 | 6 | |
| Stroke (mm) | Z1 | 123 | 110 | 200 | 200 | 205 | 205 | 192 | 260 | 190 | 190 | 300 | 273 | |
| | X1 | 30 | 60 | 65 | 130 | 169 | 308 | 135 | 80 | 96 | 96 | 228 | 230 | |
| | Y1 | 151.5 | 155 | 387 | 240 | 288 | 165.5 | 275 | 468 | 223 | 222 | 416 | 416 | |
| | Z2 | - | STD: 200 K: 195 | 291 | 219 | 225 | Type A: 232 Type B/C: 236 | 219 | 386 | 184 | 184 | 234 | 399.2 | |
| | Y2 | - | - | - | - | 232 | Type A: 232 Type B/C: 236 | - | 5 axis: 45 | 265 | 265 | 290.4 | - | |
| Dimension | Size (LxWxH) | 1,501 x 962 x 1,643 | 1,713 x 825 x 1,650 | 2,150 x 1,170 x 1,725 | 20UB8: 2,162 x 1,090 x 1,676 25UB8: 2,300 x 1,090 x 1,676 | 2,430 x 1,644 x 1,855 | 2,411 x 1,478 x 2,005 | 2,386 x 1,109 x 1,676 | 2,896 x 1,460 x 1,755 | 2,483 x 1,425 x 1,825 | 2,278 x 1,656 x 1,990 | 3,097 x 1,514 x 2,163 | 2,749 x 1,528 x 1,925 | |
| | Weight | 1,000kg | 1,650kg | 1,950kg | 2,135kg | 2,700kg | 2,800kg | 2,450kg | 3,800kg | 3,030kg | 3,050kg | 3,800kg | 3,600kg | |
| Remark | | | | | | | | | | | | | | |
| -O.D tool | | Wedge | Holder | Holder | Holder | Holder | Holder | Holder | Holder | Holder | Holder | Holder | Holder | |
| | | | Wedge | Wedge | Wedge | Wedge | Wedge | Wedge | Wedge | Wedge | Wedge | Wedge | Wedge | |
| -Application | | -Small precision combined turning | -Small precision combined turning | -Shortened cycle time | -Diffusion model for combined turning | Multi-functional combined turning | -Multi-functional combined turning | Diffusion model for combined turning | -Multi-functional combined turning | -Multi-functional combined turning | -Multi-functional combined turning | -Multi-functional combined turning | -Multi-functional combined turning | |
| | | -Best spec in its class | -Best spec in its class | | | -Best spec in its class | -Best spec in its class | | -Best spec in its class | -Best spec in its class | -Best spec in its class | -Best spec in its class | -Best spec in its class | |
| | | | | | | -Shortened cycle time | -Shortened cycle time | | -Shortened cycle time | -Shortened cycle time | -Shortened cycle time | -Shortened cycle time | -Shortened cycle time | |