

WATER JET SWEDEN PRODUCT RANGE COMPARISON

| Machine Category | STANDARD | | SELECT | | | MICRO |
|----------------------------|--|--|--|--|--|--|
| Product |  T-MODEL (NCT) |  H-MODEL (NCH) |  X-SERIES (NCX) |  PREMIUM & GRAND (NCP/NCG) |  FIVEX (NC5) |  MICRO (NCM) |
| Machine overview | A complete entry level cutting tool fully equipped for 2D abrasive cutting | A straight forward water jet system for full time 2D abrasive cutting | A fundamental Select model for high performance 2D cutting | A versatile, top of the line cutting system, in all sizes, from 2D to advanced five axis cutting in 3D | Front line technology for advanced free form 3D cutting in different work planes | Ultra-High precision waterjet cutting tool for fine cuts and micro part manufacturing |
| Motion system | Ballscrew (X & Y) | Ballscrew (X & Y) | Ballscrew (X & Y) | Linear Drive (X) Ballscrew (Y) | Linear Drive (X) Ballscrew (Y) | Ballscrew/Renishaw Invar Scale |
| Linear Positional Accuracy | ± 0.08 mm/m | ± 0.05 mm/m | ± 0.05 mm/m | ± 0.05 mm/m | ± 0.05 mm/m | ± 0.01 mm/300 mm (20° C ± 2°) |
| Repeatability | ± 0,05 mm | ± 0,025 mm | ± 0,025 mm | ± 0,025 mm | ± 0,025 mm | ± 0.008 mm (20° C ± 2°) |
| Table size | 2 x 3 m 2 x 6 m | 1 x 1 m 2 x 1 m 3 x 1,5 m | 1 x 1 m 2 x 1 m 3 x 1,5 m 3 x 2 m 4 x 2 m | Premium (3x1,5, 3x2, 4x2 m) Grand variable table sizes: standard width 2,5-6 m, standard length 3-12 m. | Machine design and size based on customer requirements. Standard width 2,5-4 m, standard length 2-6 m. | 1 x 1 meter (custom table design) |
| Cutting Heads | Single Head 2D Cutting Tool | Single / Twin Head 2D Cutting Tool | Single / Twin Head 2D Cutting Tool | Single Head Multi Head Beam Multi Head CNC 2D Cutting Tool Beveljet 60 (five-axis) | Single Head WJS 3D Cutting Tool | Single Head 2D Micro Cutting Tool |
| Cutting Process | Pure Waterjet Abrasive Waterjet Fine Abrasive Waterjet | Pure Waterjet Abrasive Waterjet Fine Abrasive Waterjet | Pure Waterjet Abrasive Waterjet Fine Abrasive Waterjet | Pure Waterjet Abrasive Waterjet Fine Abrasive Waterjet (NCP) | Abrasive Waterjet | Fine Abrasive Waterjet |
| Z-travel | 200 mm | 250 mm | 250 mm | 250 mm | ≥ 1500 mm | 100 mm |
| Pump Options | KMT and BFT 4000 - 6000 BAR | KMT and BFT 4000 - 6000 BAR | KMT and BFT 4000 - 6000 BAR | KMT and BFT 4000 - 6000 BAR | KMT and BFT 4000 - 6000 BAR | KMT and BFT 4000 BAR |
| Control System | Fanuc CNC WJS Touch Screen HMI ROS PC Software | Fanuc CNC WJS Touch Screen HMI ROS PC Software | Fanuc CNC Panel One HMI | Fanuc CNC Panel One HMI | Fanuc CNC Panel One HMI | Fanuc CNC Panel One HMI |
| CAD/CAM | IGEMS | IGEMS | IGEMS | IGEMS IGEMS 3D5X | IGEMS 3D5X | IGEMS |
| Warranty | 12-month standard warranty 5-year performance warranty | 12-month standard warranty 5-year performance warranty | 12-month standard warranty 5-year performance warranty | 12-month standard warranty 5-year performance warranty | 12-month standard warranty 5-year performance warranty | 12-month standard warranty 5-year performance warranty |
| Origin | Made in Sweden | Made in Sweden | Made in Sweden | Made in Sweden | Made in Sweden | Made in Sweden |