



Direct Drive Micro Impeller (Nikken 5AXDD200 application Demo)

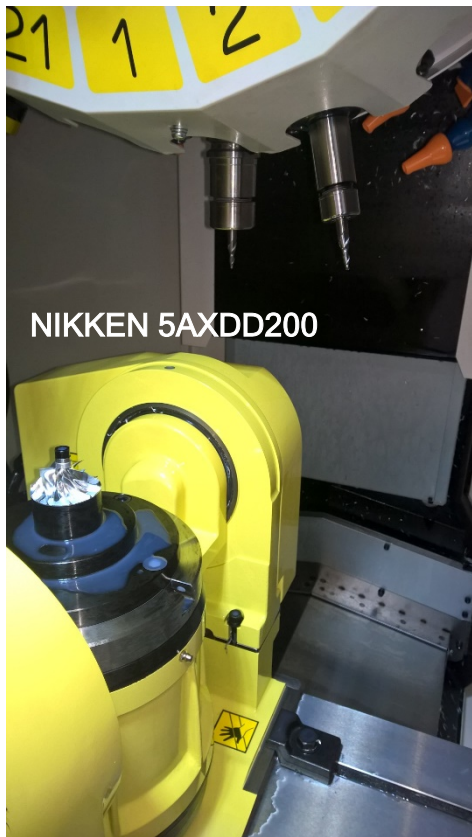
The Nikken range of single (4th) and twin axis (5th) CNC Rotary Tables are built to last with market leading design, construction and reliability as standard! The same is true of our extensive range of Direct Drive options and capabilities.

Our five-axis micro impeller demonstration effectively demonstrates what has become a very popular and widely used application for the Nikken 5AXDD200 direct drive twin axis CNC Rotary Table.

As with many of the demonstrations featured at NICE, with the simple addition of a single or twin spindle Nikken CNC Rotary Table, what are normally perceived as low cost or budget machines are instantly transformed into highly capable multi-axis machine tools (fully reconfigurable back to their original standard three axis capability if required).



OPEN MIND
THE CAM FORCE



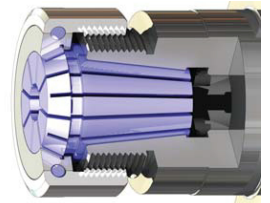
Sequence of operations (5 vanes): Cycle Time = 4 mins, 3 secs

Nikken Holder	Operation Detail	Cutting Tool	Feed (mm/min)	Speed (RPM)
NBT30-MDSK16-75P	Hub Finish	R1.5 x 7 conical ball nose end mill	15,000	24,000
NBT30-MDSK16-75P	Blade Finish	R1.5 x 7 conical ball nose end mill	1,000	8,000

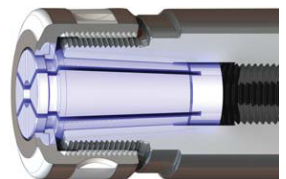


Nikken Major Dream

Competitor ER



NIKKEN 8°



- Internal Dampening
- TiN Bearing Nut with precision 8° Collet
- Greater Tightening Torque
- Compact Construction
- Higher Precision & Accuracy
- Increased Tool Life

NIKKEN DD Rotary Table key features:

- Unique Nikken 'Micro-Spike' braking system
- Absolutely backlash free with internal air purge system
- High Speed, High Torque and maintenance free
- 5AX DD axes on centre-line for straight forward 'centre of rotation' programming



Beyond Innovation

