

Product Overview

NIKKEN | Product Range Introduction



Nikken Kosakusho Europe, Ltd.

Our Company

Nikken Kosakusho Europe are leading suppliers of elite precision engineering products.

Located at the Euro Centre, South Yorkshire, Nikken operates in high stature manufacturing environments covering aerospace, medical, oil and gas, motor sport, power engineering as well as the mould and die sectors.

Creative and innovative, Nikken Europe are at the forefront and number one choice for precision manufacturers, Original Equipment Manufacturers (OEMs) and Tier One suppliers.

Nikken's market leading solutions include:

- Performance CNC Rotary Tables
- High Accuracy NC Tooling Solutions
- Tool Presetters
- Spindle Optimisation Solutions

Nikken's extensive product range combined with technical expertise, training and after sales service, come together to deliver a superior end-to-end experience that allows our customers the opportunity to successfully compete in the global marketplace.



Our History

Nikken Kosakusho Europe is a subsidiary of Nikken Kosakusho Works Limited, Japan, with principle activities covering the import and distribution of the complete Nikken product range.

With operations across three continents, offices in over 70 countries and a 15,000 product range, Nikken has earned and maintained a reputation globally for producing quality products.

Our people are at the heart of our operations. Our goal is the same where ever our team members may be: to uphold a unified standard of quality performance and excellence in our products and to our customers.

Nikken Kosakusho are continually striving to improve technology through research and development, innovation and industry knowledge to ensure that our customers can compete and win in their demanding market sectors.

Product Suitability Chart & Contents

	X-Treme	Multi-Lock	Multi-Lock High-Speed	Major Dream	Mini Mini Chuck	Major Dream Pro-Endmill	VC Holder	Zero-Fit	Slim Chuck	Slim Chuck High-Speed	ZMAC	RAC	DJ
Advanced / Exotic Materials	⊕	•				•		•					
Heavy Mill / Profile	⊕	⊕	•			⊕		•					
Light Mill / Profile	•	•	⊕	⊕	•	•	⊕	•	•	•			
High-Speed Milling			⊕	•	⊕	•	⊕						
Drilling				•			•	•	•	•			
High-Speed Drilling				•	•					⊕			
Boring - deep hole											⊕		
Boring - fine finishing											•		⊕
Boring - large diameter											•	⊕	
Boring - roughing												⊕	
Grinding Applications	•	⊕	•						•	•			
Dampening / Anti-Vibration	•	•	•	⊕		⊕	•		•	•			
Run-out accuracy "0"								•					
Run-out accuracy 3µm				•	•		•		•	•			
Run-out accuracy 3-5µm	•	•	•										

⊕ Nikken Recommends

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Milling Chuck Range



X-Treme Milling Chuck

- Designed for direct chucking
- Market leading gripping force
- Patented "Sure-Lock" clamping
- Numerous spindle configurations
- Run-Out to 5 microns at 3 x D



Multi-Lock Milling Chuck

- Revised 2012 model
- Updated internal roller system
- Unrivalled rigidity & gripping force
- Clamping at nose
- Enhanced anti-vibration features



Slim Chuck

- High-speed option
- High accuracy
- 8° taper & wedge collet
- TiN Bearing Nut
- Easy handling



VC Holder

- TiN Bearing Nut
- High gripping torque
- High rigidity & speed
- 8° collet with pilot
- Run-out under 3µm at 4 x D

Milling & Spindle Optimisation



Major Dream

- Internal dampening
- Powerful heavy cutting
- High-speed, High-feed
- Outstanding precision
- Extends tool life



Major Dream Pro-Endmill

- Depo style changeable head
- Integrated dampening
- Precision face milling
- Right angle shoulder milling
- High-speed grooving



Mini Mini Chuck Advanced

- Internal TiN Bearing clamping system
- No external nut
- Slim & compact
- Run-out within 3µm
- Grips from front of nose



Alberti Angle Heads

- Standard angle heads
- Slimline (Machine spindle driven)
- Turboflex (Air supply driven)
- Albert Live Tools for CNC Lathes & Multi-Axis Machining Centres

Drilling & Boring



ZMAC Boring

- $\varnothing 16 \sim 180$ mm
- Double contact support
- Balanced head (option)
- High durability
- Improved accuracy



DJ Boring

- Updated 2012 model
- Easy to set
- Micron accuracy
- No vibration
- Carbide indexable insert



RAC Boring

- Double cutting capability
- Two stepped balance cut
- Trouble-free heavy boring
- Various cartridges & inserts



Combat Z Drill

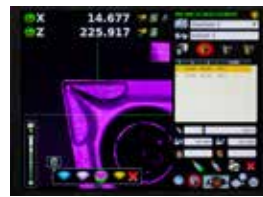
- Improve drilling
- Reduce costs
- 16 ~ 80mm range
- Unique pilot for extra stability

Presetters & CNC Rotary Tables



E346i Pre-Setter

- 2015 New Model
- Bench mounted - Granite construction
- X Axis 360mm Diameter
- Z Axis 460mm Length of tool
- 9" TFT LCD Colour Touch Screen



E460N Pre-Setter

- 2015 New Model
- Bench mounted - Granite construction
- X Axis 400mm Diameter
- Z Axis 600mm Length of tool
- 15" TFT LCD Colour Touch Screen



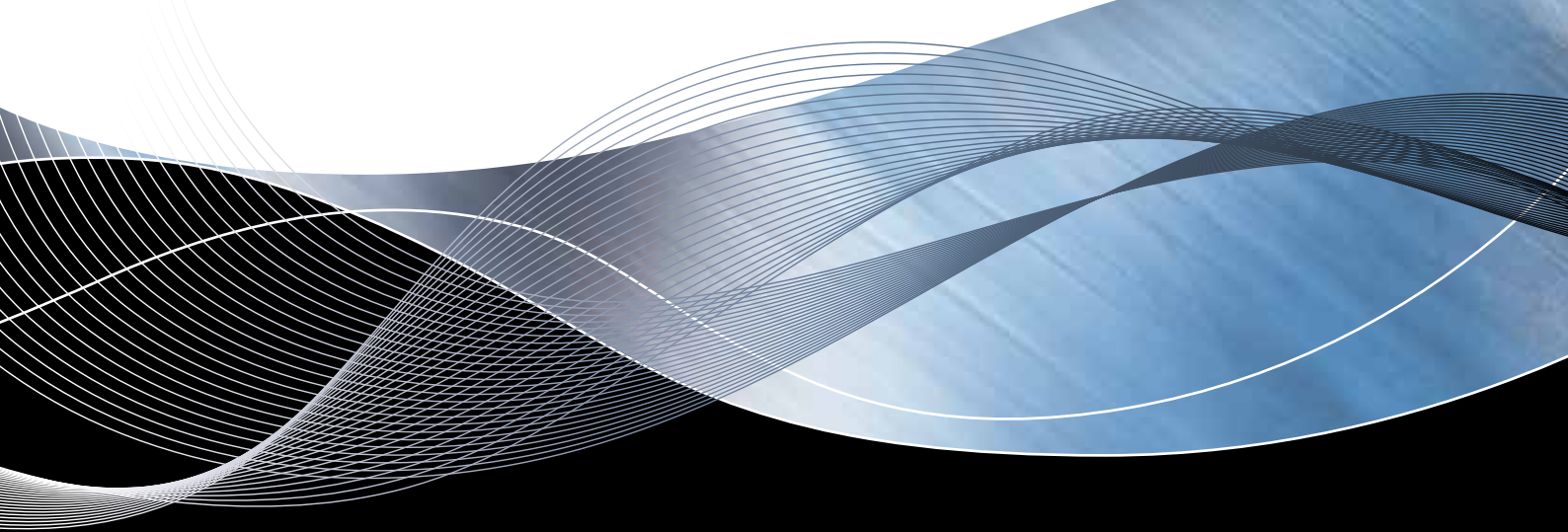
4th Axis Rotary Tables

- Compact & Heavy Duty
- Ultra Heavy Duty
- Multi Spindle
- Rotary Hirth Coupling Index
- Direct Drive



5th Axis Rotary Tables

- Compact & Heavy Duty
- Ultra Heavy Duty
- Multi Spindle
- Manual tilting
- Direct Drive



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