USE OUR KONIG GREEN TUNGSTEN RECYCLING SERVICE!

LET US SHOW YOU HOW YOU CAN DO YOUR BIT FOR THE ENVIRONMENT PLUS GET SOME CASH BACK!

KONIG GREEN is Tungsten & Tool’s new initiative that enhances NZ’s clean, green image by recycling your old cutters (and earns you $$$ as well!)

HOW DOES IT WORK?
• We provide you with a storage container for all your worn out or unusable solid tungsten cutters.
• Once the container is over 1/2 full, just give us a call and we’ll arrange pick up.
• We’ll weigh your tungsten, recycle it and credit your account.

IT’S AS SIMPLE AS THAT… AND YOU CAN BREATHE EASY KNOWING THAT YOU’RE DOING YOUR BIT FOR NZ!

GET A PICNIC COOLER BAG (worth over $140!) SEE BACK PAGE FOR DETAILS.
KONIG Gleiten-Lube AL Aluminium Lubricant - Residue Free Version

- This German product is a non-toxic, non-allergenic and non-volitile oil based lubricant designed specially for machining aluminium.
- It is the original lubricant supplied with Elumatic, Emmegi & FOM aluminium processing machinery.
- New Low-Residue version

<table>
<thead>
<tr>
<th>Part #</th>
<th>Product Name</th>
<th>Price</th>
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<tr>
<td>15-024</td>
<td>Gleiten Lube AL 20L - Low Residue</td>
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<tr>
<td>15-020</td>
<td>Gleiten Lube AL 5L - Low Residue</td>
<td>$194.67</td>
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Lube Spray Aerosol Can 400ml for cutting aluminium

- High duty aerosol cutting oil with extreme pressure additives
- Best possible cutting lubrication oil film
- No silicone or chlorine

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<td>15-0278</td>
<td>Lube Spray Aerosol Can 400ml</td>
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KONIG Gleiten-Lube AL Aluminium Lubricant

Also available in Low-Residue version

- This German product is a non-toxic, non-allergenic and non-volitile oil based lubricant designed specially for machining aluminium.
- It is the original lubricant supplied with Elumatic, Emmegi & FOM aluminium processing machinery.

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<td>15-012</td>
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15-0120 TopUp & 15-0156 DryUp 305ml

KONIG Top up

- Table and tool surface sealant reduces friction so boards slide freely
- For use on dimension saw tables and thicknesser tables
- Silicon and petroleum free so will not affect coatings or finishes

<table>
<thead>
<tr>
<th>Part #</th>
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<td>15-0124</td>
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</table>

HERE’S THE CNC ESSENTIALS KIT.

Everything you need for cleaning, lubricating, measuring, setting up, tightening & replacing tools all in a handy toolbox.

Including digital veneers, magnetic insert torx & allen drivers, Gleiteclean tool cleaner, LPS3 Rust cleaner & inhibitor, brass collet cleaner brushes, collet & cone taper wipers… tailored to match your CNC

TMK Tooling Maintenance Kit for CNC Machines

<table>
<thead>
<tr>
<th>Part #</th>
<th>Product Name</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-0012</td>
<td>Tooling Maintenance Kit</td>
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</table>
KONIG SuperGrip Toolholder - ISO & HSK Taper

Supergrip Toolholder. Tighter Grip and Higher Accuracy Means:

• Longer lasting cutters
• More accurate cutters
• Finer finishes
• Less strain on your CNC's spindle nose bearings
• HSK and ISO tapers to fit your CNC

KONIG Opti-Clamp Tool Changing Device

Stop wrestling to change tools and start doing it the fast and easy way with this Opti-Clamp Tool Changing System.

• Extreme precision and reliability
• Perfect tool Centering
• Studly design with reduced height to increase the work space between the machine and the piece
• Safe and fast tool setup
• Simple & Safe tool change operation

Product Code  Product Name  Price
27-00100  Supergrip Tool Holder ISO30  $616.97
27-00104  Supergrip Tool Holder HSK  $606.67

KONIG Precision Toolholder - ISO Taper

Precision Toolholder - ISO Taper for CNC machines

• For extreme precision and reliability.
• Made from extremely high strength corrosion resistant steel
• Balanced to 24,000 RPM

Part #  Taper Type  Collet Type  Price
27-00055  ISO20  ER16  $352.74
27-00060  ISO25  ER20  $380.87
27-00065  ISO30  ER25  $336.35
27-00070  ISO30  ER32  $231.61
27-00075  ISO30  ER40  $231.61
27-00080  ISO30  462E  $400.14

KONIG Precision Collets ER32

Precision Collets ER32

• For precision and reliability.
• For chuck capacity up to 20mm.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Inside Dia</th>
<th>Outside Dia</th>
<th>Clamping Tolerance</th>
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<td>20 - 19mm</td>
<td>$10.00</td>
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</tbody>
</table>

WHY IS IT IMPORTANT TO REPLACE COLLETS?  SEE PAGE 6

ALL COLLETS – BUY 6 AND GET 25% DISCOUNT

KONIG Precision Toolholder - HSK 63F Taper

Precision Toolholder - HSK 63F Taper for CNC machines

• For extreme precision and reliability.
• Made from extremely high strength corrosion resistant steel
• Balanced to 24,000 RPM.

Part #  Taper Type  Collet Type  Price
27-00040  HSK 63F  ER16  $203.92
27-00045  HSK 63F  ER20  $263.97
27-00050  HSK 63F  ER25  $335.54

Now only $299!

KONIG TORQUE WRENCHES FOR COLLET NUTS

Torque Wrenches for Collet Nuts

While setting a tool it is extremely important to tighten it appropriately. If not effectively tight indeed, cutting tool could slide away from the tool holder during the working process. On the other side an excessive tightening can cause damages to the tool holder or spring collet or the tool itself.

The wrench indicates when the torque [Nm] is reached with a strong noise according to the value in the corresponding table.

Correct tool setting will increase tool life and leave a better cutter finish.

Product Code  Product Name  Price
27-44284  Torque Wrench for ER32  $299.00
27-44286  Torque Wrench for ER40  $338.00
27-44288  Torque Wrench for EOC/462E  $318.00

WHY IS IT IMPORTANT TO REPLACE COLLETS? SEE PAGE 6

KONIG Precision Toolholder - ISO Taper

Precision Toolholder - ISO Taper for CNC machines

• For extreme precision and reliability.
• Made from extremely high strength corrosion resistant steel
• Balanced to 24,000 RPM.

Part #  Taper Type  Collet Type  Price
27-00055  ISO20  ER16  $352.74
27-00060  ISO25  ER20  $380.87
27-00065  ISO30  ER25  $336.35
27-00070  ISO30  ER32  $395.74
27-00075  ISO30  ER40  $315.14
27-00080  ISO30  462E  $400.34

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• Perfect tool Centering
• Sturdy design with reduced height to increase the work space between the machine and the piece
• Safe and fast tool setup
• Simple & Safe tool change operation

Product Code  Product Name  Price
27-44400  KONIG Toolchanging System for ISO Taper - fits ISO30, SK30 & HSK50 tapers  $581.95
27-44404  KONIG Toolchanging System for HSK Taper - fits HSK63, ISO40 & SK40 tapers  $581.95

All Collets on Promo! See Page 6

WHY IS IT IMPORTANT TO REPLACE COLLETS? SEE PAGE 6

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27-00050  HSK 63F  ER25  $335.54

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27-44288  Torque Wrench for EOC/462E  $318.00

Temperature shi...
THE #1 CAUSE OF CUTTER BREAKAGE.

Of the assortment of causes of cutter breakage, there is one that stand out as follows:

Many cutters that historically were made from solid High Speed Steel or from a form of tool steel with brazed tungsten tips are now made from solid Tungsten Carbide.

While this means that the cutters last much longer and can be fed a lot faster because of these product enhancements, there is a trade off that must be borne in mind: today’s cutters, because of their increased hardness have increased brittleness, i.e. they are totally unforgiving of any vibration, any tool holder defects and any variation of feed speed. With the presence of any one or combination of these factors, the cutters will just snap.

THE COLLET.

Spring Collets, irrespective of any fancy sounding name are made from spring steel. In use, they are subject to variations of temperature, material resistance, dirt and dust. This is why even CNC router collets, with a mass of 10-15 times that of a portable router collet have a recommended of life of 500-600 working hours. After this number of hours of heating up and cooling down, the collet steel loses its ‘tempering’. This means it cannot grip the shank of the tool accurately, evenly or concentrically. At 20,000 rpm can you blame the tool giving up?

To get the best out of your cutters, you need to use good, clean collets.

These will run quieter, faster and more productively than the old cutter you were trying to were trying the last ounce of life out of. They are much easier on your $12,000 spindle nose bearings too! Just imagine if you could get another 12 or 24 months life out of these?

Discard any old ones and keep the ones you are using clinically clean by using a high quality non oily cleaning solution with a brass collet brush dedicated to the size of the collet.

When you snap a cutter, look to your collet – there’s a big chance you’ll be looking right at the culprit! When you snap a cutter, replace the collet – there’s every chance it was damaged with the snap and will not grip the tool correctly any more.

As a rule, they generally cost far less than the cutters as its worth doing this piece of simple maintenance.
Orders worth over $1000 receive a FREE PICNIC COOLER BAG (worth over $140!)

All amounts exclude GST. Pricing is valid until 29/02/2020. Giveaways are while stock lasts. We reserve the right not to send these at our discretion. One giveaway per client per month.
Bag only - Food & drink not supplied

SPEED MATTERS
Cut out wait times – you need your tools now.

We offer fast delivery across New Zealand and into Australia, and have a large stock on hand.

DELIVERED AM SHARP!
Place your order before 4pm Monday to Friday and have your tools delivered the next working day in New Zealand. What’s more, all orders over $100 + GST are delivered FREE.

FREE HELPLINE
We’re here to help 10 hours a day between 7am and 5pm. For expert, individual advice call:

0800 488 647 [FREEPHONE]
tungstenandtool.co.nz

1800 488 647 [FREEPHONE]
tungstenandtool.com