



HIGH PERFORMANCE SOLUTIONS









SURFACE
TECHNOLOGY
COATINGS



suttontools
world class cutting tools

High Performance Solutions





	Turning	Milling	Hole Making	Threading	Custom Solutions	Tool Holding	Work Holding	Tool Vending
<i>suttontools</i>		●	●	●	●			
 WALTER	●	●	●	●	●	●		●
 Hoffmann Group Garant HOLEX	●	●	●	●		●	●	●
 SIMTEK	●	●		●	●	●		
 CUTTING SOLUTIONS BY CERATIZIT	●	●		●		●		
<i>TAPMATIC</i>				●	●	●		
 AMEC			●	●	●			
 TBT			●					
SUPPLYPRO								●

Our heritage is born from quality engineered and manufactured products. This is the foundation that drives us to deliver excellence and value in the products and customer service we provide. Our goal is to be a respected business that our customers choose to deal with, based on the value we add to their business.



Founded: 1917
 Employees: ~ 400
 Customers: >40 Countries

Sales Partners: ~ 900
 Products: ~ 20,000
 Manufacturing Facilities: 5

-  Head office
-  Global Offices
-  Distribution Centres
-  Manufacturing



About us



Made in Australia
Exported to the world

HARMONY

High Performance Solutions

- Carbide endmills
- 5-Axis endmills
- Variable helix or Index
- Targeting dynamic machining
- CNC applications

Holemaking

Carbide Drills

- 3, 5, 8 x D with & without Internal coolant
- 12, 15, 20 & 30 x D double margin
- Various geometries for ISO P, M, K, S material classes

HSS Drills

- Stub, Jobber, Long Series

BLACKMAGIC

- Universal geometry
- Wide range of application



BLACKMAGIC Threading

Truly multipurpose, suitable for CNC synchronised tapping of a wide range of materials, across a broad spectrum of industrial applications from small-scale jobbing shops through to high-volume component production.

Thread cutting tap ranges

- Metric, Metric Fine, UNC, UNF & G (BSPF) series
- PM-HSS for elevated cutting edge hardness, whilst maintaining excellent toughness
- Hardlube coating for resistance to abrasive wear

Thread forming tap range

- Metric & Metric fine series
- PM-HSS Co for superior lobe hardness
- Extremely smooth TiN coating minimises friction generated
- Optimized for thread forming in forged steel



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BLACKMAGIC^{XL}

Carbide Drills

R30 UNI

- 3, 5, 8 x D with & without Internal coolant
- AlCrN coated
- ISO P & K

R30 VA IK

- 3 & 5 x D with internal coolant
- Helica coated
- ISO M & S

BMXL (Black Magic XLONG)

- 12, 15, 20 & 30 x D
- With Internal coolant
- Double margin
- Pertura coated
- ISO P, M, K & S

HARMONY Milling

Dynamic and trochoidal machining ranges

Features & Benefits

- Higher flute count than standard endmills for higher productivity
- Variable helix design to suppress chatter for smoother/stable machining
- Xceed coating for longer tool life
- Optimised carbide grade, offering higher cutting edge strength
- Also available in square end & multiple corner radius sizes per diameter

Advantages of Dynamic & Trochoidal Milling

- Decreased cutting forces
- Reduced heat
- Reduced tool wear
- Suitable for lower power machines
- Greater machining accuracy
- Spindle & machine friendly
- Improved tool life
- Faster cycle time
- One tool for multiple slot sizes (trochoidal)
- Thin wall applications



Traditional

Trochoidal



Turning visions into reality

Turning your own ideas into reality requires the right tools. Tools for turning, milling, drilling and threading. But it also takes heart and soul.

From the initial inspiration to the final application. With the combined expertise of Walter, Walter Titex and Walter Prototyp, you acquire more than just tools.

We're driven to find out what our customers want and committed to making it happen. We focus on the application at hand and what our customers want to achieve. We help in turning this idea into reality.

For us, perfection is the most important thing. Perfection is the easiest way to achieve productivity and efficiency, and the only way to turn visions into reality.



Hard material matters

Ceratizit, headquartered in Mamer, Luxembourg, is a pioneer and global player in sophisticated hard material solutions.

The company is the world market leader in unique and consistently innovative hard material products for wear protection and cutting tools.

- Privately owned independent company founded in 1921
- Employ 8,000 people and are ranked fourth largest carbide manufacturers in the world
- Produce a vast range of inserted cutting tools, with over 100,000 different products



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 **Hoffmann Group**

Garant

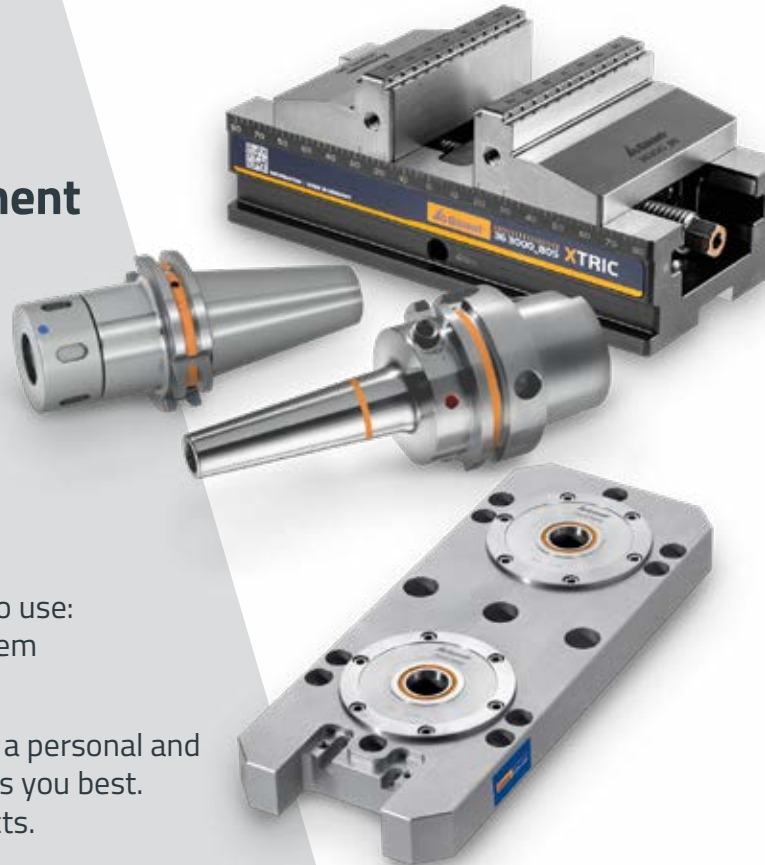
HOLEX

Simple selection, simple procurement personal service

We set the standard when it comes to making procurement simple. We create the right eBusiness solutions for you, meaning you can buy your quality tools with groundbreaking simplicity.

And us? Our deliveries are fast, flexible and accurate. We can also offer you new approaches when it comes to use: innovative digital solutions make your production system more transparent and efficient.

Are you already familiar with our services? We provide a personal and customised service – on site or digitally, whatever suits you best. All this means you can concentrate fully on your projects.



TAPMATIC

Tapping attachments Since 1952

Tapmatic's focus on tapping attachments and tap holders, and our commitment to research and development, have made it a world leading manufacturer of tap holding tools.

Manufacturers around the world use Tapmatic products for their most difficult tapping problems for cost saving solutions include reduced cut cycle time, reduced energy consumption, reduced machine wear and downtime, increased production, increased tap life by 100% or more, and improved thread quality.

Tapmatic offers the most complete tapping program available from manually operated machines to the most sophisticated CNC machining centers.





Leading manufacturer of replaceable-tip drilling systems

Allied provides precision hole-making technologies with the highest level of drill performance for end users worldwide. Its precision engineering and expert application support make them the first and best choice for answers to complex metal-cutting challenges.

Allied is regarded as a world leader in Metal Cutting. Serving all facets of manufacturing, which include the aerospace, defence, agriculture, automotive, heavy equipment, general machining, machine tool, mining, petrochemical, energy, renewable energy, structural steel, tool & die and water treatment industries.

AMEC product offering includes:

- High performance drills & inserts
- General purpose drills & inserts
- Porting tools
- Thread mills



TBT Innovative company with a global presence

The company, founded in 1966, is part of the international Nagel machine tool group. TBT has specialized in deep hole drilling from the very beginning.

Deep hole drilling solutions for high precision applications:

- Automotive
- Railway engineering
- Construction machines
- Aerospace
- Hydraulics and pneumatics
- Medical technology
- Oil and gas industry
- Energy technology
- Tool and mould making
- Feed industry
- Defence industry
- Semi finished products



SIMTEK

Precision tools for the highest requirements

SIMTEK stands for carbide precision tools of the highest quality and performance.

The standard range currently includes around 10,000 tools for grooving, turning, circular milling, broaching, thread whirling and polygon milling. Tools for machining bores with a minimum diameter of 0.3 mm are standard, as are highly complex, multi-row side milling cutters with a diameter of 200 mm.



SUPPLYPRO®

Tool Management Solutions

Compartment-level control with Pick-to-light technology.

SmartDrawer® is a flexible drawer-based storage system designed to dispense single items (or multiple items of a single SKU) under locked "smart" compartments with SecureBin™ technology, a patented managed locking bin system. SmartDrawer can be a stand-alone unit or combined with other SupplyPro devices for a tailored dispensing solution. SmartDrawer technology is extremely versatile and configurable.

Level of control

Patented compartment level control with pick-to-light technology. LED's blink to show the location of the product.



SURFACE TECHNOLOGY COATINGS

Regrinding & Recoating

The regrinding service significantly reduces tooling costs over buying new tools. Our customers benefit from Sutton Tools advanced super abrasive grinding expertise providing high accuracy and quality.

All tools are subject to stringent quality and performance checking and testing to ensure best results.

Regrinding services available:

- Regrinding of carbide and HSS standard products
- Refurbishment of diamond tools
- Manufacture of solid carbide threaded products

Why choose Sutton Tools regrinding services:

- Regrinding services returns tools 'as new' condition
- CNC grinding machines are operated by experienced personnel
- Helps reduce tooling costs over buying new tools
- Australia's only company that provide regrind special tools coating, nitriding and heat treatment service
- Using state of the art CNC tool and cutter grinders and drag finishing machines
- Free pickup and delivery of tools in Melbourne metropolitan area

Surface Technology Coatings Service

Complementing our regrind facility, Surface Technology Coatings (a division of Sutton Tools) provides a physical vapour deposition (PVD) coating service, and is at the forefront of heat treatment and surface engineering technology.

In addition to providing PVD coating, STC provides plasma nitriding and vacuum heat treatment for various tools and components.

Our unique position enables us to provide tailored solutions to a wide range of friction and wear problems.

Services available:

- PVD Coatings
- Stripping Service
- Vacuum Heat Treatment
- NitroPlas Plasma Nitriding
- Steam Oxide Treatment



Special Tools

Meeting Your Exact Requirements.

- State-of-art CNC tool grinding equipment & manufacturing processes
- European grade materials: PM, HSS Co, ultra-fine grain carbide
- Latest generation PVD coatings
- Servicing Industries: aerospace, marine, transport, construction, medical, defense, automotive, Power generation



SMART

CENTRE

Supporting Manufacturing Advances, Research & Technology

Research & Development

- Sutton SMART Centre
- Customer Projects
- Customer Test Cuts
- CAM Toolpath optimization
- Productivity Solutions
- Visitations



Quality
ISO 9001



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