



# HIGH PERFORMANCE SOLUTIONS

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***sutton*tools**

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

	Milling	Hole Making	Threading	Custom Solutions	Tool Vending
<i>suttontools</i>	●	●	●	●	
<b>SUPPLYPRO®</b>					●



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



**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



## 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.



### 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





## Regrinding

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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



## Coatings Service

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Using world-leading technology, coatings are available to solve a wide range of problems relating to friction and wear, thereby improving tool performance and increasing tool life.



## SMART CENTRE

Supporting Manufacturing Advances, Research & Technology

### Research & Development

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

### Quality Assurance

#### Manufacturing without compromise

- Commitment to quality
- Total end-to-end traceability
- Continual improvement policy
- Investment in automation to maintain world competitive production costs
- Leader in grinding technology employing latest manufacturing & surface treatment methods
- Reducing carbon footprint & environmental impact



Quality  
ISO 9001  
SAI GLOBAL



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**Global Offices**

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**Europe** France ■ The Netherlands

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