



Serving all major Global Industries

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FOUNDRY

## Introduction

Established in 1963, ATA are the world's leading manufacturer and distributor of tungsten carbide burs. The company also offer customers an extensive range of Abrasives, Industrial Air Tools and Cutting Tools which are sold in over eighty countries globally.

The company has state-of-the-art facilities in Ireland, the UK, the US and Germany. ATA products are now sold in eighty five countries around the world, with advanced manufacturing plants, along with research and development centers and sales offices in three continents.

For over 55 years, ATA have been making burs to the highest specification in the market. We have advised and served customers by combining technical expertise and the highest standard of manufacturing technologies to lead the market in innovative solutions.

Our extensive range of high quality products, our level of knowledge and expertise and the flexibility of our approach and structure, allows us to design a complete bespoke solution for our customers in all major industry sectors including aerospace, automotive, oil and gas markets, shipbuilding and metal fabrication.



## The ATA Offering



State of the art manufacturing facilities located in Ireland, UK & USA



100 CNC Machines globally, maintaining consistent product quality



Manufacturing process conducted to strict quality control standards  
Accredited ISO9001: 2015

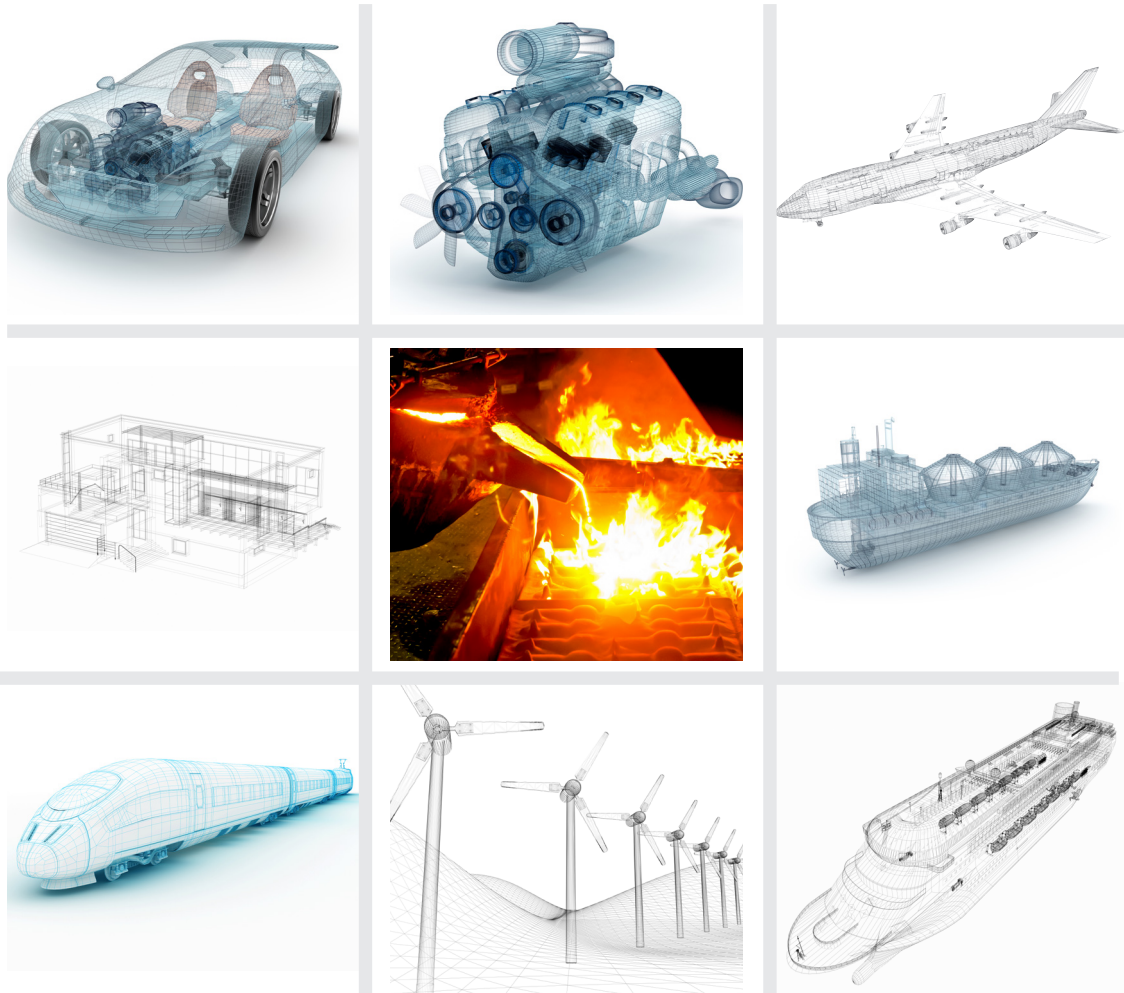
## R&D capabilities to develop and supply material specific cutting geometries

- Manufactured from high quality sintered tungsten carbide, guaranteeing constant high performance and durability
- Improved stock removal
- Smoother operator experience
- Removing difficult to grind material more efficiently
- Reducing heat build up at the cutting edge and workpiece material
- Achieving performance related grinding - ensuring production savings and reduced downtime



## GLOBAL INDUSTRY

**ATA designs, manufactures and distributes products from an extensive portfolio of grinding solutions, servicing all major manufacturing industries for many years.**



### Delivering innovation - driving excellence

ATA is engaged with the design, manufacture and distribution of grinding solutions for all major manufacturing industries.

With over 55 years' experience, ATA offers a wide range of Tungsten Carbide Burs and Routers; an innovative portfolio of Industrial Pneumatic Tools and a complementary assortment of bonded and coated abrasives products.

Over the last decade ATA has been propelled to a position of global excellence to service industries, combining our engineering competence and our solid operational ethos, and a passion for innovation with an extensive technical know-how.

Industries face ongoing challenges with a growing competitive landscape.

Our objective is to increase productivity and to reduce downtime without compromising on quality and operators' safety.

For all your deburring and grinding applications, ATA can offer a standard solution or bespoke offering and outsourcing agreement. From hand-held operations to robotic deburring, ATA works closely with customers to deliver innovation and drive excellence.



## FOUNDRY

### Applications know-how

In the Foundry Industry, customers are working in some of the most physically challenging conditions where the improvement of manufacturing processes and performance is key. Our deburring and grinding solutions suit all metal casting.

Designed for all metals, our extensive range of Tungsten Carbide Burs, Routers, Abrasives and Air Tools can be applied to a variety of casting processes including;

- Investment casting
- Sand casting
- Die casting
- Low pressure casting
- Gravity die casting

For applications that include rough grinding, light to medium grinding, heavy deburring, light and medium deburring and finishing & polishing.

Foundries produce components that are vital to the manufacturing processes in all major industries including Automotive, Aerospace, Oil and Gas, Power Generation, Rail, Shipyard and others.



### IRON

Bur Cuts  
Steel Cut, Double Cut

Air Tools  
Die Grinders - SPM, SMD, SM, SMX

### STEEL

Bur Cuts  
Double Cut, Standard Cut, Foundry Cut

Air Tools  
Die Grinders - SPM, SM, SMD, SMX

### ALUMINIUM / MAGNESIUM

Bur Cuts  
Aluminium Cut

Air Tools  
Die Grinders - SMD, SM

### COPPER / ZINC / BRASS BASED

Bur Cuts  
Standard Cut, Base Metal Cut

Air Tools  
Die Grinders - ST, SPM, SM, SMD

### NICKEL BASED

Bur Cuts  
Standard Cut, Double Cut, Alloy Specific

Air Tools  
Die Grinders - ST, SPM, SM, SMD

### ABRASIVES

#### Abrasives and Air Tools

Abrasives are a key product group for all foundry applications across all metal classes. Here are some abrasive and air tool pairings.

Zirconium Flap Discs  
Air Tools - RA12M, RA14, RA6, RA8

CeramIQ Flap Discs  
Air Tools - RA12M, RA14, RA6, RA8

Flexidiscs (large and small)  
Air Tools - RAM, RAMX, RA12M, RA14

Flap Wheel (Alox and CeramIQ)  
Air Tools - SMX, STX5, S5

Abrasive Belts  
Air Tools - RALM, BLM

QCD  
Air Tools - RAM, RAMX

Fibre Discs  
Air Tools - RA14S

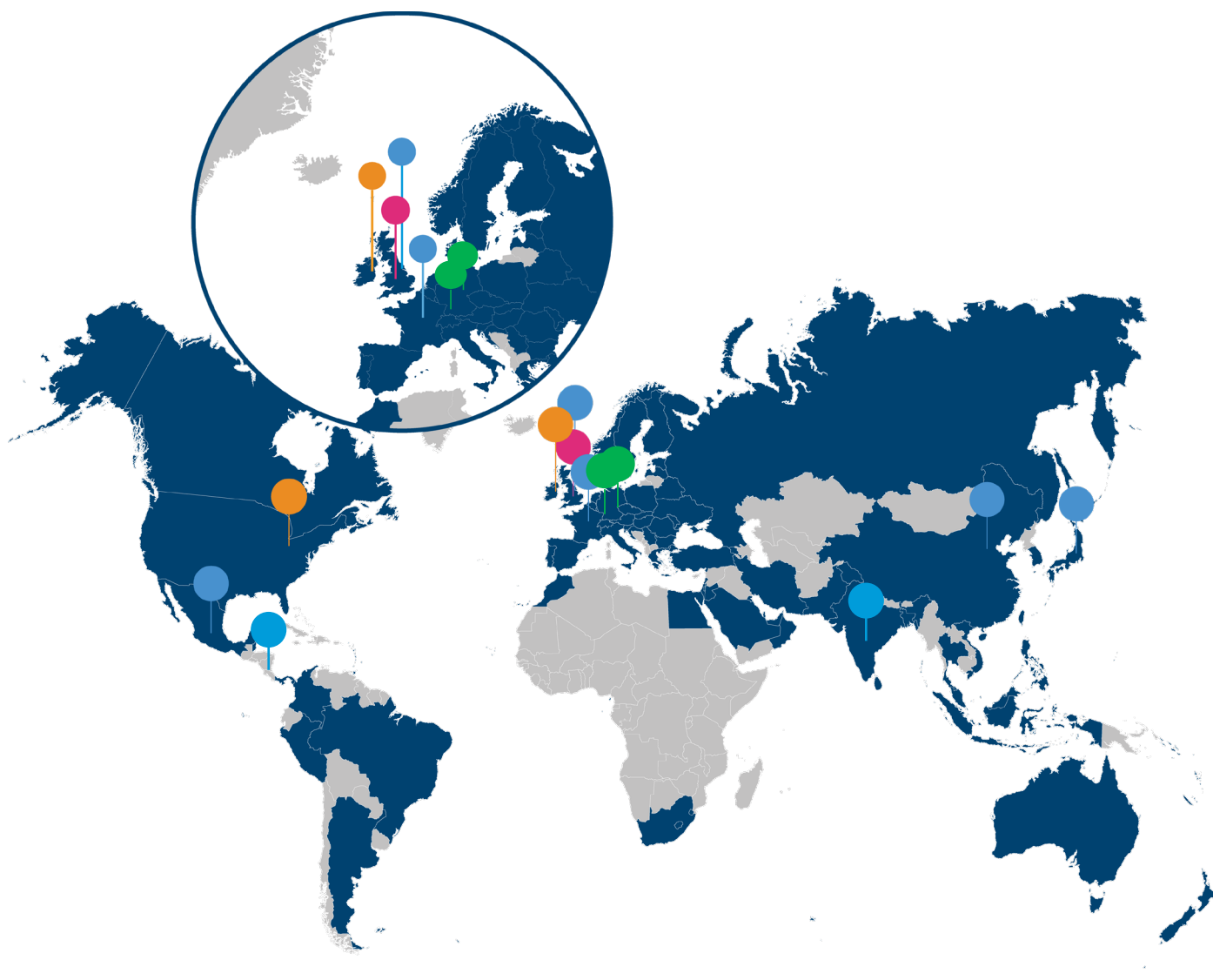




**Customer Service**

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## ATA Locations

- ATA Manufacturing, R&D and Sales Centre
- Distribution Centre and Sales Office
- ATA Manufacturing Plant and Sales Centre
- Areas Covered by Distribution
- ATA Sales Office

### ATA GARRYSON UK

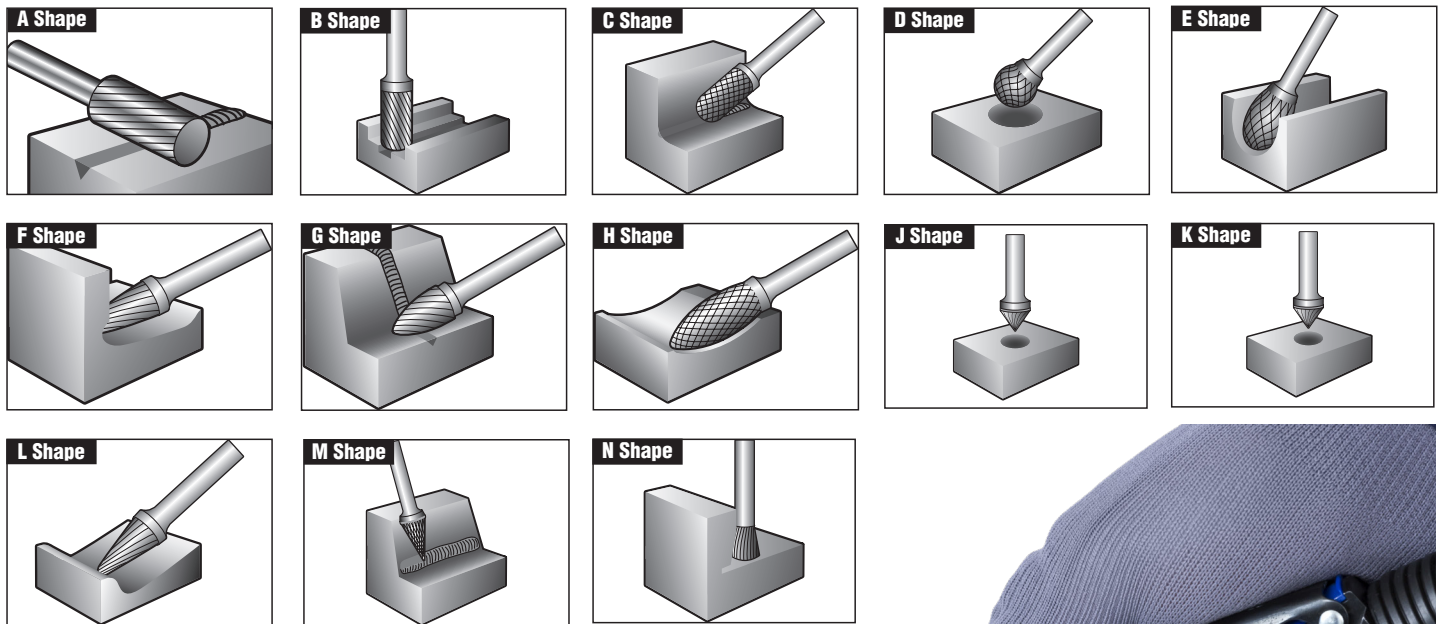
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Contact us today to speak to your dedicated territory account manager.



## CUT APPLICATIONS



## Application Tips



### DO:

- Always operate the bur within the recommended speed range
- Select the appropriate shape, diameter and cut style for the application
- Ensure the appropriate Air Tool is used and that it is regularly maintained
- Fix the maximum length of bur in the collet
- Run extra long burs at slower speed, do not exceed 15,000 RPM
- Check that the bur is running true in the Air Tool before use
- Securely fix workpiece and hold the Air Tool firmly
- Use a smooth cutting action with constant movement.
- Use light pressure, let the bur do the work



### DONT:

- Run the bur above the Maximum Operating Speed (refer to speed guide on page 8)
- Run the bur too slowly (refer to speed guide on page 8)
- Allow bur to be exposed to excessive mechanical or thermal shock
- Sink the bur to more than one-third of its periphery
- Jam the bur into grooves, crevices or cavities
- Allow the brazed bur to become too hot, this may cause the braze to soften and cause the head to become detached from the shank. (only applies to burs where head diameter is greater than the shank diameter)



Wear Eye Protection!



Wear Hearing Protection!



Observe the recommended rotational speed, especially when using burs with long shanks!



Wear Protective Gloves



Wear Protective Mask

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