Our Customer Promise

ANCA’s promise is to deliver outstanding customer value through our technically-superior products.

This shows in our range of innovation-driven, high precision CNC grinding machines and CNC systems that repeatedly meet or exceed customers’ expectations.

ANCA’s approach to innovation is underpinned by our core values: precision, versatility, productivity and confidence. Beyond just words, these values represent the needs of our customers and have been developed over 30 years of working closely with industry.

precision

In addition to ever-tightening tolerances, your customers also expect improved consistency and guaranteed delivery. ANCA’s stringent quality standards in design and manufacture ensure delivery of consistently superior results.

versatility

You need to be able to meet shifting market demands. The inherent flexibility of ANCA software and tooling will allow you to take on these challenges with confidence.

productivity

Our aim is to minimise setup and manufacturing time and maximise production efficiency.

confidence

A partnership with ANCA seals a long term relationship that guarantees confidence and superior customer service.

As we continue to work by these values so our customers continue to benefit.
A Heritage of Innovation

Today, ANCA is a market leader in quality CNC grinding machines and CNC systems. The company has steadily evolved through policies of innovation and technology and a determination to produce machines that satisfy our customers’ requirements and exceed their expectations. After 30 years working with industry, we continue to find new ways to deliver products that respond to market needs.

Australian Numerical Controls and Automation (ANCA) was founded in 1974 by Pat McCluskey and Pat Boland in Melbourne, Australia, where the company is still based. Although the two engineers had different backgrounds – one academic and one technical and trade – their skills complemented each other and they were like-minded in their drive to produce world class computer numerical controls (CNC).

In the early 1980s, ANCA expanded by using its high-level engineering and mathematical skills to develop complete machine tools. The company created sophisticated CNC tool grinding machines by combining leading-edge technology with operating simplicity.

The decision to extend operations launched ANCA into a major growth phase, which involved building an advanced machine tool factory and employing highly-skilled and specialised staff. Further growth matched investment in factory equipment, research and development, and an expanded sales support network.

Our knowledge of both the technology behind the quality products we deliver, and our customers’ needs, puts us in the unique and enviable position continuing to lead in our field well into the future.
Innovations delivering value

ANCA’s innovative spirit has shaped the way CNC tool and cutter grinders are made and used. Through close co-operation with customers, we have made our machines faster, more precise, more reliable, and simpler to use. Combined with unmatched versatility, these developments give our customers the edge in terms of productivity, cost and precision.

New developments are designed to boost customer value, but they also serve to drive ANCA to deliver the new innovations that our customers have come to expect. When you’re the market leader you have to lead the market, and it’s a challenge we accept with pride. Today, ANCA continues to deliver innovations and industry firsts that drive the market forward.
• First Australian-made CNC (1975)
• First to use touch probe for digitising tool position and geometry inside a tool and cutter grinding machine (1986)
• System 16 CNC System on the first TG4 machine (1986)
• Patented MPG feed (1991)
• Patented Soft Axes (1991)
• First ‘7 Series’ machine (TG7) with System 32 CNC (1991)
• Modem support for diagnostics (1991)
• First ‘X Class’ machine (TGX) with 3DX CNC System (1997)
• First true 3D grinding process simulation (patented) (1997)
• First tool and cutter grinder with direct drive for all rotary and linear axes (1999)
• First true on-machine tool measurement and auto-compensation with iView (2003)
• First ‘X7 Class’ machine (RX7) with 5DX CNC (2004)
• Single-setup tap grinding on TapX (2005)
Pride in integration

ANCA is proud to be a vertically-integrated manufacturing company at a time when outsourcing is common practice. Our 'under-one-roof' policy means we can claim to know and understand every component in every system and machine we sell. Direct control over all processes increases our ability to maintain our own stringent specifications. This means we can deliver innovative, quality products that differentiate you from your competitors. ANCA’s core capabilities cover:

- CNC system design, manufacture and assembly
- System and application software development
- Mechanical design, manufacture and assembly
- Electrical and electronic design, manufacture and assembly
- Global sales, engineering and support network
Versatility in Applications

Long standing relationships forged with our customers have been a key contributor to ANCA’s success. Working together with ANCA engineers, their input guides machine improvements and developments. This results in solutions that address our customers’ specific needs.

The extreme versatility of our machines and CNC systems means our customer base is diversified in terms of both location and industry. ANCA high precision grinding machines and CNC systems are used to make hundreds of different tools and components in a wide variety of industries.
Medical
ANCA innovation allowed complex orthopaedic implants and tooling to be ground from 3D solid CAD models. The resulting superior-quality parts have challenged traditional manufacturing methods.

Woodworking
The niche woodworking industry uses a wide range of tools in varying quantities. ANCA has developed specific software and tooling to meet these market demands.

Automotive
ANCA manufactures machines with flexible software and automation platforms that are capable of producing automotive cutting tools and high-volume precision components.

Cutting tools
ANCA’s anticipation of industry trends has given many of our customers a competitive edge over their rivals. The versatility of our application software allows the manufacture of a huge range of standard tooling and custom-made specials.

CNC controls
Our ‘under-one-roof’ policy is carried over to the CNC controls at the heart of our machine tool range. This ANCA-developed system is state of the art and can be used for many challenging situations as well as more traditional CNC applications. We are able to supply turnkey solutions to match your specific motion-control demands.

Aerospace
Process improvement within the aerospace industry has forced further development of cutting tools. By keeping abreast of industry technology ANCA has delivered specialised tool grinding capabilities and reduced manufacturing times.

Metal Working Tools
ANCA offers solutions for grinding standard and form punches with machines that achieve high metal removal rates without sacrificing surface finish quality. This reduces the cycle times and delivers cost savings to our customers.
Confidence of a Global Network

Beyond our head office in Melbourne, Australia, ANCA has established a customer-focused global sales and support network, with offices in USA, Germany, UK, China, Brazil, Japan, Thailand and Italy. Together with our vast dealer and distributor network, these branches support customers in over 30 countries.
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