



## ENGINEERING PLASTIC PRODUCTS



Maizey Engineering operates a 2500m<sup>2</sup> facility equipped with state-of-the-art machining technology that maximises efficiency while insuring the highest levels of quality during the production of machined parts and components.

Our technical team is highly skilled in working with a broad range of high performance plastics and aluminium. Services include: CNC turning, routing and milling, spindle machining, planing, cutting, plastic welding, bonding and bending. Both our CNC router and CNC Work Center has 3D capabilities, whilst our programming department can provide support with conceptualization and design using the latest CAD/CAM software.

Plastic machining offers an alternative to traditional stainless steel and aluminium parts and are used as replacements for OEM parts or as newly developed components. Plastic machined parts are lightweight and perfect for industrial applications where chemical resistance, electrical resistance, self-lubricating properties or extreme wear resistance is required.

Maizey EPP's machining and industrial fabrication services are used across a wide range of industries such as Mining, Transportation, Agriculture, Food and Beverage, Lifting, Rail, Water and many more.



## CUSTOM MACHINED PARTS AND COMPONENTS



NATIONAL DISTRIBUTION - STOCK SHAPES 086 1100 420

### SPECIALIST ENGINEERING PLASTICS BRANCH

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### MACHINED COMPONENTS AND INDUSTRIAL FABRICATION

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## THE BENEFITS OF OUTSOURCED MACHINING SERVICES?

Improve Inventory Management



Reduce Maintenance Down-Time



Improve Cost Management

- Complete machining and milling capabilities including CNC programming and design. (MasterCam & Solid Works)
- Industrial Fabrication including bending, plastic welding, bonding and assembly.
- Tank design and basic tank construction.
- Technical plastic component and bearing calculation capabilities.
- Fast and efficient quotes with excellent lead times.
- Applications development and engineering plastics expertise.

### Engineering plastics commonly processed in our machining facility include:

Acrylic (Plexiglas®), Polycarbonate (PC), Nylon (Afrimide), Polyester (Afripet), Acetal (Afripom C), Polypropylene (Afrilene PP), PTFE (Teflon®), Afripeek (PEEK), PVC (Trovidur), HDPE (Afrilene P300) and UHMWPE (Afrislide)

Specialized high performance thermoplastics can also be converted into finished plastics parts.

