

6 Reasons Why Somta is the Only Choice



- World class quality, exporting to 70 countries worldwide!
- Over 7000 standard & application products in stock!
- Further 6000 products manufactured to customer specifications!
- OSG's full product range and support available!
- Korloy insert & tool holder ranges and support available!
- Employing & developing great people to do extraordinary things!



**MAKING
MANUFACTURING
BETTER!**



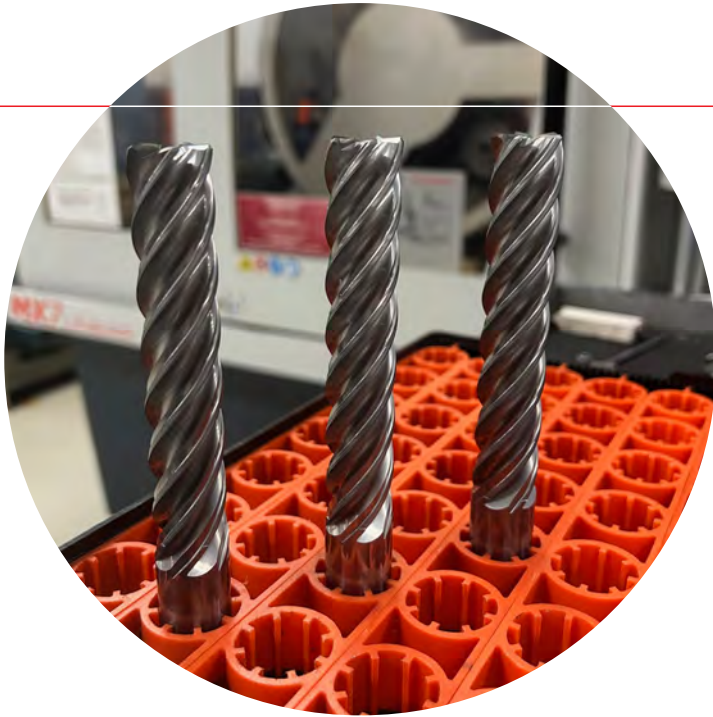
shaping your dreams



OSG GROUP COMPANY

C O M P A N Y P R O F I L E

SOMTA TOOLS



Somta Tools specialises in the design and manufacture of standard and custom tools for the industrial and "do it yourself" markets.

Product categories can be summarised as drills, cutters, reamers, threading tools and toolbits, which are made in a wide range of sizes, using various materials (HSS and Solid Carbide) and PVD surface coatings to extend wear life.

From humble beginnings in 1954 with 20 employees, Somta has grown into the largest cutting tool manufacturer in Africa, operating from offices and modern manufacturing facilities laid out over 3 hectares with a complement of over 300 employees.



The factory in Pietermaritzburg manufactures over 7 000 standard & application products and a further 6 000 made-to-order items to serve local markets and export markets in over 70 countries worldwide.

It has separate factories for Blank Prep, Heat Treatment, Drills, End Mills, Taps, Reamers, Specials, Carbide and Coating all on one site. The employees in each factory become product specialists.

The Somta National Distribution centre situated in Gauteng stocks all standard & application products and is able to offer same day delivery within the Gauteng region, and next day delivery to all other provinces within South Africa.

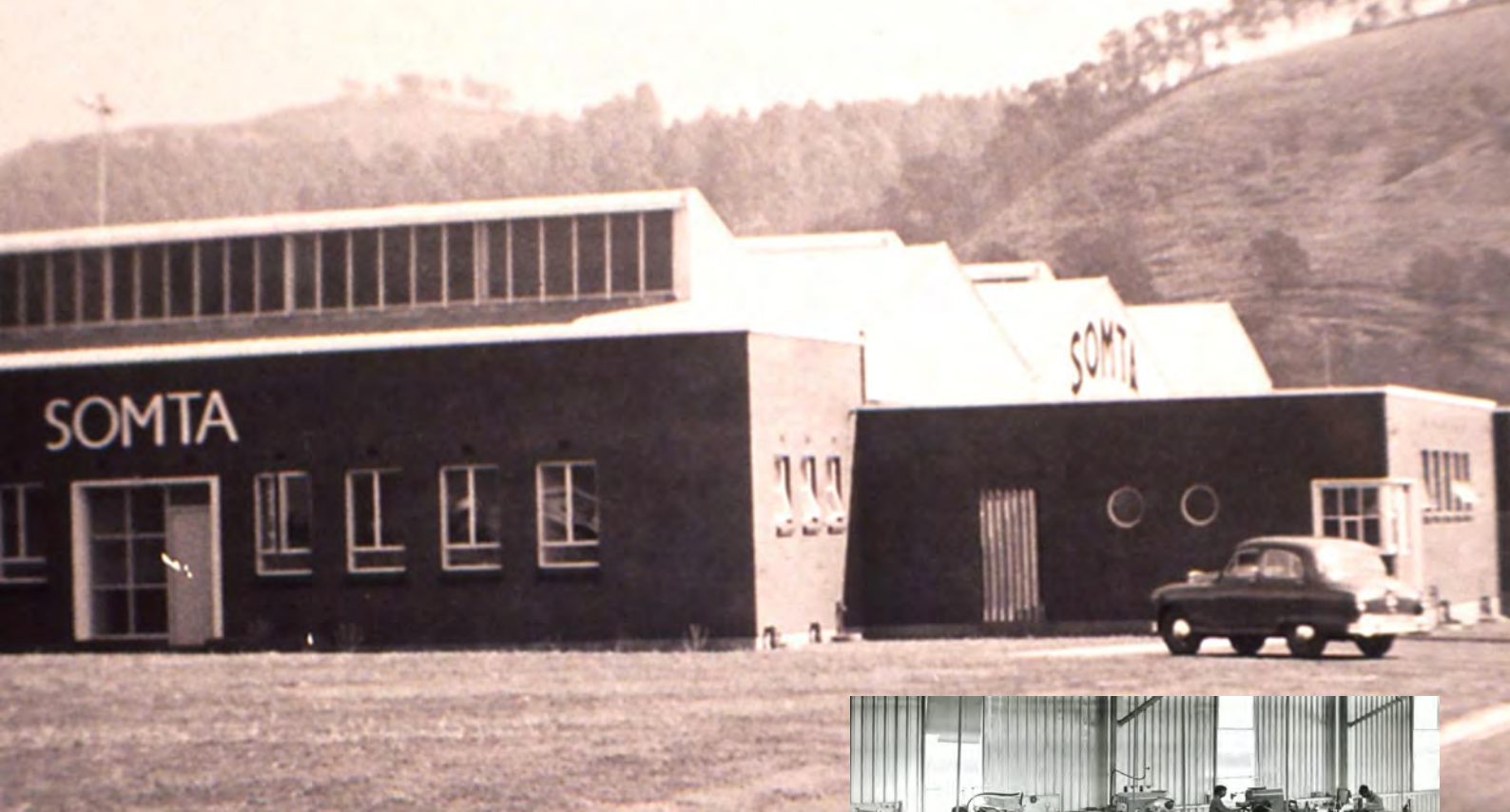


One of Somta's strengths is its ability to design and develop its own cutting tool manufacturing machines in-house, originally initiated because of a weak Rand and long delivery times from machine tool manufacturers. There are obvious competitive advantages of in-house machine building.

Somta's Vision

The company's vision of "To manufacture and supply superior cutting tools, driven by a culture of service excellence, to global and domestic markets" is supported by ISO accreditation which was first achieved in 1991 and still remains in place today.





COMPANY HISTORY

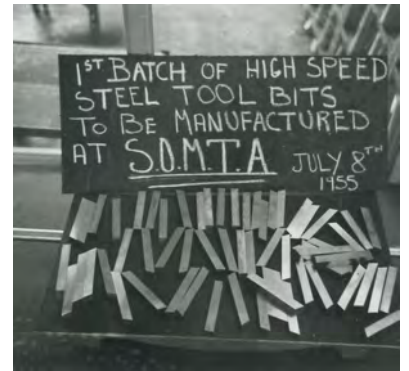
Somta Tools was founded in 1954 by Samuel Osborn Ltd of Sheffield, England. The name Somta is an acronym derived from the names of Samuel Osborn (founder of Osborn Steels U.K.), and Robert Mushet (the 19th century inventor of High Speed Steel).

The full name being

Samuel **O**sborn **M**ushet **T**ools **A**frica.

Somta started out producing Twist Drills, Reamers, Toolbits and Chisels with a complement of about 20 employees.

One of Somta's claims to fame is that its former parent company produced the first Twist Drill made from High Speed Steel. Prior to 1870, twist drills were made from a flat piece of steel and then physically twisted, hence the name. Thereafter the flutes were produced on milling machines until the grinding method arrived.



Milestones

US\$2 million Investment in Balzers Coating Plant

In 2003, Somta integrated a state-of-the-art Balzers PVD Rapid Coating System into its manufacturing programme, offering the Innovative range of Balzers BALINIT® high Performance coatings on all cutting tools. This enabled Somta to offer coated cutting tools to compete with the very best high tech tool producers in the world.

Carbide Production Facility Expansion

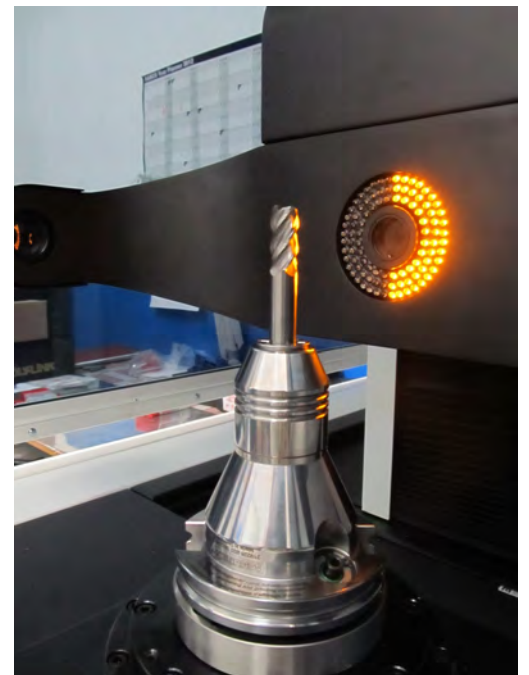
In 2012 Somta invested over ten million rand on state-of-the art CNC equipment, which saw the company quadruple its carbide tool manufacturing capacity, thereby improving delivery times.

To accommodate these new machines and allow space for further expansion, the carbide production facility was expanded. This expansion allowed for a dedicated test and training facility which included the addition of a HAAS VF-3YT CNC vertical machining centre, to test, run and enhance current and new tool designs, as well as for training purposes.

Somta can now utilize its state-of-the art R&D facility to find solutions to difficult machining applications or material types. Somta is able to simulate the production conditions so that their customers no longer have to break into critical production lines to conduct testing. No other facility on the African continent boasts the combined manufacturing, measuring, coating and testing capabilities of Somta Tools.



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Somta Partners with Global Cutting Tool Leader, OSG

In 2016 Somta partnered with global cutting tool giants OSG, with OSG becoming the majority stakeholder. As a result Somta gained access and support to OSG technologies and expertise on a global scale, and can now offer OSG cutting tools to the African market, whilst OSG subsidiaries worldwide have added Somta's range of tooling to their portfolio offering.



shaping your dreams

Corporate Philosophy: Global Presence

As a comprehensive cutting tool manufacturer, OSG makes products that at a fundamental level contribute to enhancing people's quality of life. Through continuous growth, they have established a production, sales, and technical support network spanning 33 countries. Their corporate aim is to continue to expand their operations globally and strengthen their contribution to manufacturing industries worldwide.

Supporting global manufacturing with top class products and technology

OSG maintains absolute control over every aspect of its manufacturing capabilities. OSG products are produced in-house – from the production of tool material, creation of tool geometry, to the development of its own proprietary coatings – the 3 vital elements in the manufacturing of superior cutting tools.

Shaping your dreams

The power of OSG lies in their assured innovative technological know-how for producing high-quality and high-performance products; their exceptional services to respond to situations diligently; and their out-of-the-box thinking to provide total solutions that anticipate their customers' needs. OSG is committed to contribute to the advancement of the manufacturing industries by shaping their customers' dreams into reality.

Beyond the Limit

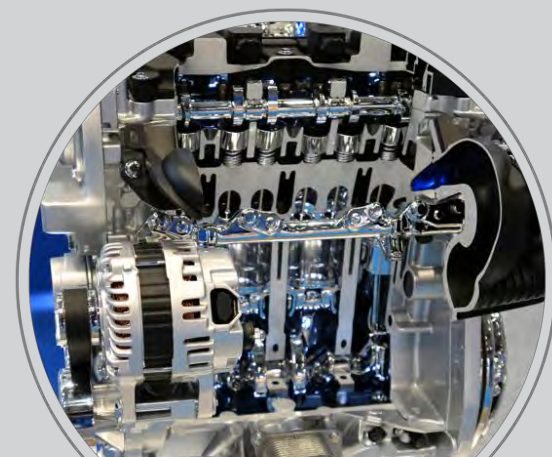
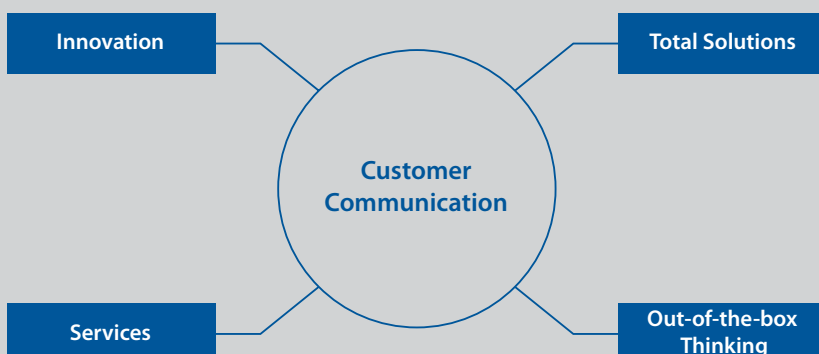


OSG is a comprehensive cutting tool manufacturer known for its world-renowned taps and other product offerings such as end mills, drills, and rolling dies.

Moving toward an era of carbon neutrality, OSG will strive to achieve further growth as an essential player that contributes to the global manufacturing industry and the realization of a sustainable society based on its "global presence" corporate philosophy.



The Power to Exceed Customers' Expectations



Somta investing in the future

In 2018 to 2020, R60 million was invested in new machinery and technology. Included in this investment were 2 x 3 Axis CNC Clearance Grinders, an OTC-1 Long Tool Image Analyser, an AeroLap YT3000, a Fischerscope X-Ray XDLM 237, a DMG MORI NLX 1500 universal CNC mill turn machine, a Haas VF2 SS CNC milling machine, an ANCA MX 7 Linear, a floating carriage, a Zoller Genius 3 and Smart Check 420, a TGT Accudress wheel truing and profiling machine complete with a camera system, 2 x 5-axis TGT V2 Advance Maxima CNC tool and cutter grinders, a Micromatic SM40 CNC Cylindrical Grinder, a PerformCoat Pfc540 PVD coating machine and lastly a PerformDrag PFD550 polishing and honing machine.

The Swiss-designed and manufactured PerformCoat Pfc540 PVD coating machine has been developed in conjunction with OSG Japan and it now allows us to implement coating layers with adjustable properties for toughness, hot hardness, wear resistance, oxidation resistance and colour. These include mono, multi, nano and gradient coating structure.



Korloy Inserts and Tool Holders

On 1 November 2022, Somta Tools reached an agreement with Korloy to promote and support its carbide insert and tool holder ranges in the African market.



Korloy, established in South Korea in 1966, is a world renowned brand specialising in Tool Holders and Inserts for turning, milling and multipurpose; both with a full line-up of ISO standard and special tools.

Korloy offers solutions for the Aerospace, Automotive, Shipbuilding, Mold & Die, Railroad & Rail Wheel Industries as well as Special Industry Application products for the Pipe, Bearing, Roll and Gear Machining, Power Generation, Defense and Medical Industry.



Automotive Industry



Aerospace Industry



Shipbuilding Industry



Railway Industry

Founding Principles Contribution to Society

Korloy contributes to society and improves the world by manufacturing needed products, creating job opportunities and taking responsibility for what they do.

Management Philosophy Happiness First

Korloy puts the happiness of its customers and employees ahead of everything and achieves both by raising the competitiveness in the world market.

Research & Development

The Korloy R&D institute aims to meet the highest demands of high-quality products without compromise. It has been successful with its innovative technology.



Corporate Identity

Korloy is a portmanteau word of 'Korea' and 'Alloy'. Korloy is poised to usher in a new era of unprecedented promise by building on its culture of excellence and innovation to lead the carbide cutting tool industry.

Outer triangle
Stability and development

Each side of the triangle
Customer / Human / Rationality

Inner triangle
Will to achieve the goal

Core circle
Solidarity within Korloy



Being able to offer OSG cutting tools and Korloy insert and tool holder ranges alongside Somta's round tool programme, makes Somta the undisputed leader of machining solutions in Africa with all the comprehensive offerings it now has available.

Complete Machining Solutions



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SOMTA STANDARD PRODUCTS



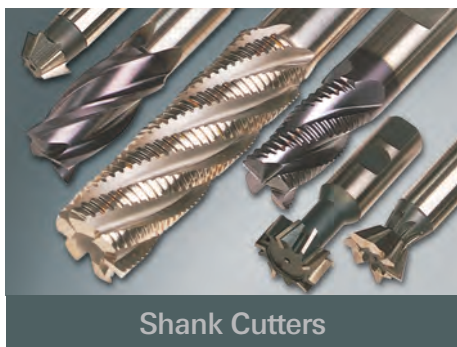
Straight Shank Drills



Threading Tools



Reamers, Countersinks
& Counterbores



Shank Cutters



Bore Cutters

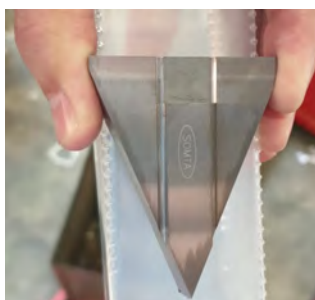
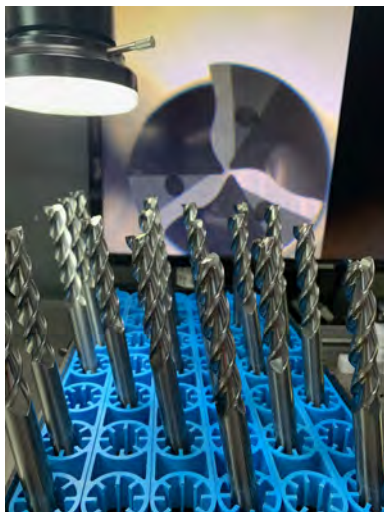


Morse Taper Shank Drills

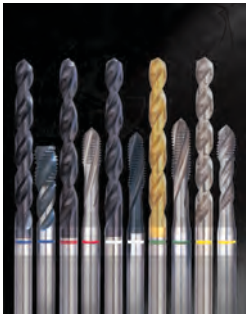


Toolbits

SOMTA MADE TO ORDER PRODUCTS

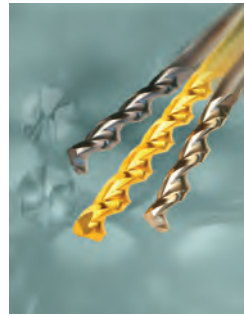


SOMTA APPLICATION PRODUCTS



Colour Band Range

SOMTA Colour Band Application range of drills and taps is specially designed to optimize your machining performances. Each range has been designed with different cutting geometries and surface treatments to ensure optimum tool performance for each specific material category.



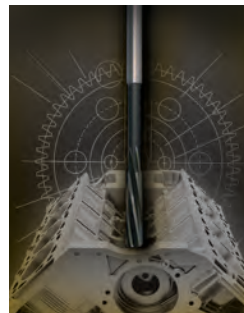
UD Ultra Parabolic Twist Drills

A comprehensive range of heavy duty drills designed with improved point and flute geometries for enhanced penetration and chip removal in long chip forming, short chip forming and abrasive material groups. This range of drills is specifically designed to meet the challenges of a broad spectrum of difficult drilling applications.



MTS Chipbreaker Drills

This outstanding development increases drill cutting efficiency by means of greatly improved chip control. A chipbreaker rib is positioned along the length of the flutes, which curls and breaks long chip forming material into small manageable chips for easier evacuation. There is no clogging of chips in the flutes, as small chips flow freely along the flutes. The chipbreaker drill thus cuts more freely than standard drills.



Reamer Tool Range

Established in 1954, Somta offers a range of high quality standard reamer products and custom reaming solutions. From closest tolerance precision machining of extremely accurate holes through to enlargement, alignment and deburring of holes for construction, assembly and general purpose applications. We have a product or a solution to satisfy your specific engineering requirements.



Solid Carbide Tooling (Standard Range)

Somta's Solid Carbide Tooling Standard Range is a comprehensive family of solid carbide stub and jobber length drills, 2 and 4 flute end mills and ball nose end mills, in both regular and long series.



Solid Carbide High Performance Roughing End Mills

A range of high performance roughing end mills for rapid stock removal, with new geometry designed for very low cutting forces. These new roughers are for general engineering applications such as side cutting, slotting and ramping - and can be used on machines with medium to low rigidity.



Solid Carbide End Mills for Aluminium

Somta's high efficiency carbide end mill range with optimal flute geometry provides all the required features for high performance machining of aluminium, with the added benefits of greater stock removal rates at high speeds and feeds, excellent surface finish quality and extended tool life.



Solid Carbide Hard Material End Mills

A range of high performance finishing end mills for operation on hard materials up to 52HRC (512HB), plus Somta's Hi-Feed end mill with patent pending geometry that removes the most amount of material in the least amount of time combined with extended tool life, for use on hard and super hard steels up to 65HRC (880HV).



Solid Carbide VariCut End Mills

Somta's new "Vari-Style" End Mill, VariCut has a new patent pending tool design. This unique design uses a new core form and a new reinforced end geometry with unequal flute spacing which enables it to remove the most amount of material in the least amount of time with an excellent surface finish. On Stainless, or Titanium, it will match or outperform any other "Vari-Style" End Mill in the market.



Solid Carbide VariCut PRO End Mill

Introducing the NEW VariCut Pro with IMPROVED Geometry, Variable Helix, Edge Preparation & Machining Methodology.



Manufacturers & Suppliers
of Drills, Reamers, End Mills,
Bore Cutters, Taps & Dies,
Toolbits, Solid Carbide Tooling,
Carbide Insert Tooling,
Custom Tools and
Surface Coatings

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PerformCoat

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