



OM BSA ENTERPRISES
MANUFACTURERS OF PRECISION COMPONENTS

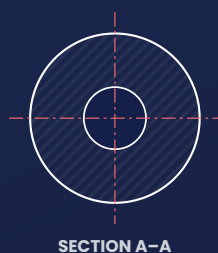
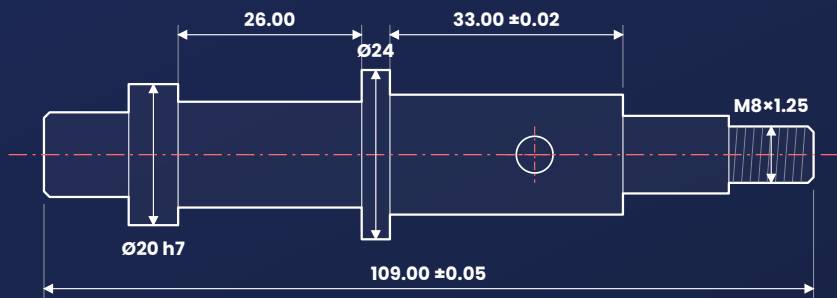
EST. 1987

PRODUCT & CAPABILITY CATALOGUE

CNC Turned & VMC Machined Components

Small, complex, tight-tolerance parts made to your drawing,
from prototype to millions of pieces a month.

FROM YOUR DRAWING TO APPROVED PARTS



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OM BSA
MATL: AS PER DRAWING
TOL: ISO 2768-F · SCALE 5:1

Swiss-type CNC turning

4-axis VMC machining

Cam automatics

In-house tool room

Optical sorting machines

7M+

parts per month

600+

part numbers

35,000+

sq ft · Rabale &
Ambernath

ISO

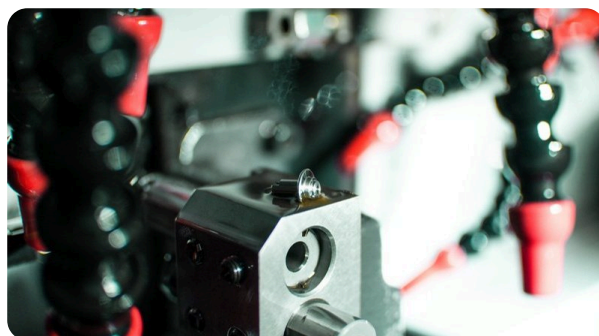
9001 · 14001 · 45001

Your Vision. Our Precision.

OM BSA Enterprises was established in 1987 and is today a third-generation, family-run manufacturer of precision machined components.

We specialise in small, complex, tight-tolerance parts produced on Citizen, Tsugami, Star and Tornos CNC Swiss-type sliding-head lathes, LMW and BFW VMCs and cam-operated automatics.

Our engineers and machinists work to ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 certified systems. With two plants, at MIDC Rabale (Navi Mumbai) and Additional MIDC Ambernath, covering more than 35,000 sq ft with ample room for future expansion, we have the capacity for both new-part development and high-volume production, and we back every order with prompt communication and on-time delivery.



35+

years of experience

7M+

parts per month

600+

part numbers in production

3

ISO certifications

Mission

To manufacture precision components that meet every specification and arrive on time, through continuous investment in technology, people and process.

Values

Precision in every part, integrity in every commitment, and continuous improvement in everything we do.

Why OEMs choose us

Proven sliding-head expertise, in-house tooling and cam design, PPAP-ready documentation and dependable delivery schedules.



Two plants, one standard

35,000+ sq ft combined, with ample space for future expansion.

Plant 1 - Rabale

W-367, Sector 8, MIDC Industrial Area, Rabale, Navi Mumbai 400701

Plant 2 - Ambernath

D-46, Addl. MIDC, Anand Nagar, Ambernath (E), Dist. Thane 421506

Manufacturing Capabilities

Everything needed to turn a drawing into an approved, inspected part, from tooling and programming to measurement and sorting, is handled in-house across our two plants, spread over more than 35,000 sq ft.

01 CNC sliding-head (Swiss-type) lathes

Citizen, Tsugami, Star and Tornos machines with bar feeders, for long, slender and complex parts turned complete in one setup.

02 Vertical machining centres

LMW and BFW 4-axis VMCs for milling, drilling and second operations on turned parts, blocks and brackets.

03 Cam-operated automatics

High-volume production of simple turned parts, with cams designed in-house.

04 Secondary operations

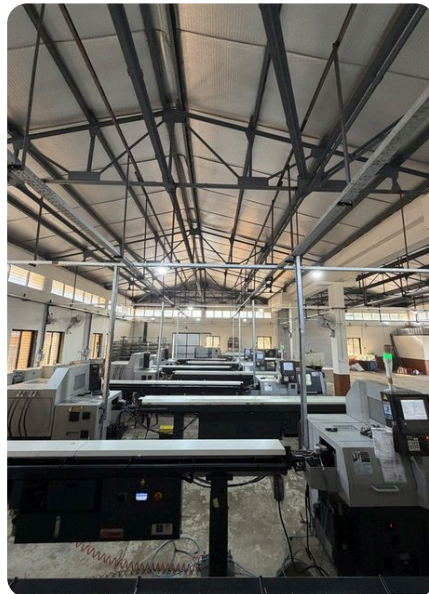
Drilling, tapping, milling and punching, plus assembly of studs and insert nuts.

05 Tool room

In-house cam design, tool making and CNC tool re-sharpening for fast set-ups and consistent quality.

06 Optical sorting machines

Automated vision sorting of small parts before dispatch.



Materials

Stainless steels Free-cutting steels

Alloy steels Brass Copper

Nickel-iron alloys Titanium

All raw material is inspected on receipt.

Industries served

- ✓ Electrical & switchgear
- ✓ Automotive
- ✓ General engineering
- ✓ Electronics
- ✓ Medical equipment

Built on Quality, Driven by Delivery

OM BSA is certified to ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018. Quality is planned into every part, from raw material to dispatch.



Our quality system covers

- ✓ Incoming raw material inspection
- ✓ First-piece, in-process and pre-dispatch inspection
- ✓ Keyence fully automatic image dimension measuring system
- ✓ Vision measuring machine (VMM) and profile projector
- ✓ Surface roughness (Ra) tester
- ✓ Digital Rockwell hardness tester
- ✓ Plating / coating thickness tester
- ✓ Optical sorting machines for small parts
- ✓ PPAP submissions and inspection reports on request

Engineering & continuous improvement

Tooling — designing and grinding tools for specific machining needs.

Cam design — in-house cam engineering for our automatic lathes.

Process optimisation — shorter cycle times and consistent quality.

This helps us take on new parts quickly and keep costs competitive for our customers.

From enquiry to dispatch

1

Drawing review

Feasibility, material and tolerance check

2

Quotation

Clear price and lead time within 48 working hours

3

Samples & PPAP

First-piece samples with inspection reports

4

Production

Planned on sliding heads and VMCs

5

Inspection & dispatch

In-process, final and optical checks

PPAP-ready

PSW, control plan and inspection reports on request

Optical sorting

Optical sorting machines for small, critical parts

48-hour quotes

Quotation within 48 working hours of your drawing

35,000+ sq ft

Two plants with ample space for future expansion

Shafts & Spindles

Long, slender and stepped shafts turned complete on Swiss-type sliding heads, with cross-holes, flats, threads and hex forms.



Precision turned parts



Turned components



Shafts, links and pins



Machined shafts



Long turned shafts



Stepped shaft with collars



Cross-drilled threaded pin



Double-ended link rod



Rod with knurled knob



Stepped shaft



Hex-ended shaft



Shaft with hex base



Threaded shaft with nut



Threaded spindle

Your part here

Most of our work is made to customer drawings. Send yours for a quote.

sales@ombsa.in

All parts shown are made to customer drawings and are representative examples only.

Pins, Studs & Links

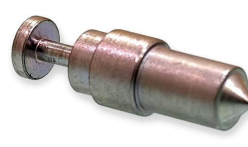
Contact pins, studs, standoffs and links in steel and stainless steel, from a few millimetres long, in high volumes.



Threaded stepped pins



Stepped threaded pin



Stepped pin



Long turned pin



Pin set



Hex pins



Hex pin with nozzle tip



Engraved hex pin



Small stud



Hex studs



Ball-head hex standoff



Ball-head stud



Flanged pins with knurled head



Slotted socket pins



Small link

Your part here

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Bushes, Ferrules, Rings & Nuts

Flanged and stepped bushes, ferrules, rings, caps and special nuts, supplied plain or plated.



Flanged bush, zinc plated



Flanged cup ferrule



Stepped ferrule



Turned bushes



Steel ring



Knurled nuts



Slotted nuts



Slotted head and ring



Conical caps and ring



Conical turned parts



Flanged hub with D-bore

Your part here

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CAPABILITY —

Plated and plain finishes

Bushes, ferrules and nuts supplied plain or plated to drawing, with plating thickness checked in-house on our coating thickness tester.

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Milled Parts & Sub-assemblies

Blocks, brackets and plates milled and drilled on 4-axis VMCs, with studs and insert nuts assembled in-house.



Base plate with ring nut



Stud plate and bracket



Plated bracket nuts



Hinge brackets



Milled bars with studs



Milled clamp block



Milled block with insert nut



Drilled block

CAPABILITY —

4-axis VMC machining

LMW and BFW vertical machining centres handle milling, drilling and second operations, with studs and insert nuts assembled in-house.

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Brass Components

Free-cutting brass forks, fittings, contact pins and brackets for electrical and switchgear assemblies.



Brass clevis forks



Brass flanged fork pin



Brass cross-drilled fitting



Brass threaded pin



Brass grooved pin



Brass contact pins



Brass square nut



Brass T-pin



Brass L-bracket

Your part here

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sales@ombsa.in

CAPABILITY —

For electrical & switchgear OEMs

Free-cutting brass parts made in high volumes on Swiss-type sliding heads and cam automatics, with optical sorting machines for critical parts.

All parts shown are made to customer drawings and are representative examples only.

TRUSTED BY LEADING ELECTRICAL OEMS —

Our Customers

SIEMENS

HAVELLS

**Lauritz
Knudsen**
Electrical & Automation

Lucy Electric

HAVE A PART TO QUOTE? —

Send us your drawing.

Share your drawing (PDF, STEP, IGES, DWG or DXF), material and quantity. We review every enquiry and reply with a quotation within 48 working hours.

ombsa.in/contact-us

sales@ombsa.in

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Rabale, Navi Mumbai,
Maharashtra 400701

Plant 2 · Ambernath

D-46, Addl. MIDC, Anand Nagar,
Ambernath (E), Dist. Thane,
Maharashtra 421506

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Certified management systems

Quality, environment and occupational health & safety, independently certified.



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