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.

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

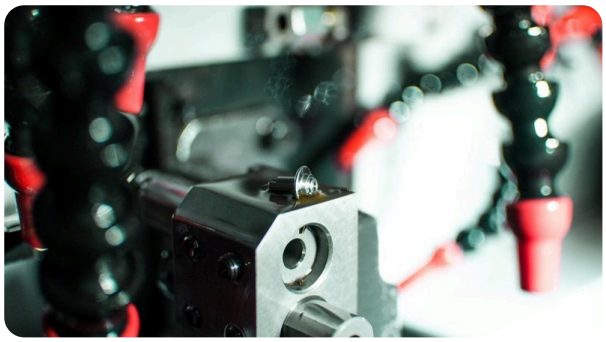
ABOUT US

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+	7M+	600+	3
years of experience	parts per month	part numbers in production	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

WHAT WE DO

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

QUALITY ASSURANCE

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.

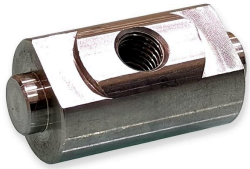
Base plate with ring nut

Stud plate and bracket

Plated bracket nuts

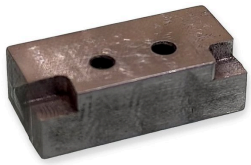
Hinge brackets

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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PRODUCT RANGE · 5 OF 5

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,
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Maharashtra 421506

Contact

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Certified management systems

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

QUALITY ASSURANCE MANAGEMENT ISO 9001:2015 CERTIFIED

ENVIRONMENTAL MANAGEMENT SYSTEM ISO 14001:2015 CERTIFIED

OCCUPATIONAL HEALTH AND SAFETY ISO 45001:2018 CERTIFIED

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