KAI BOWEI

QUALITY CONTROL

PRODUCTION & QUALITY CONTROL PROCESS

From order confirmation to shipment

A clear production route with quality checks at material receipt, during manufacturing and before product release.

01

Order confirmation

Confirm the order scope, quantity and delivery requirements.

02

Order & technical review

Review drawings, specifications and inspection requirements.

03

Production planning

Define the manufacturing route and key inspection points.

04

Raw material procurement

Purchase materials to the reviewed technical requirements.

05 QC CHECKPOINT

Incoming material inspection

Inspect received materials before they are placed into stock.

06 QC CHECKPOINT

Production & inspection

Cutting, welding, CNC machining and assembly with in-process checks.

07

External processing

Heat treatment and surface treatment are carried out as specified.

08 QC CHECKPOINT

Finished product inspection

Inspect completed products against order and technical requirements.

09

Finished goods storage

Products passing final inspection enter finished goods storage.

10

Packing & shipment

Pack and dispatch products according to the order requirements.

KEY INSPECTION POINTS

INCOMING

Material conformity before production

IN PROCESS

Workmanship and critical dimensions during production

FINAL

Completed product against order requirements

Inspection scope and acceptance criteria follow the applicable order and technical requirements.

KAI BOWEI

QUALITY CONTROL

SELECTED INSPECTION EQUIPMENT

Measurement, material verification and testing

Selected instruments support dimensional measurement, material checks and non-destructive inspection across production.

01



Coordinate Measuring Machine (CMM)

Dimensional checks on precision components.

02



Optical Measuring System

Profile and feature measurement.

03



Direct-reading Spectrometer

Material composition verification.

04



Ultrasonic Flaw Detector

Non-destructive inspection where required.

05



Rockwell Hardness Tester

Hardness checks on metallic components.

06



Digital Micrometers

Routine measurement of critical dimensions.

INSPECTION CAPABILITIES

Dimensional measurement / Material verification / Hardness testing / Non-destructive inspection

Equipment shown is a selection of the instruments used for inspection.