Beijing HCGR Technology Co., Ltd.

2026 EDITION

PRODUCT CATALOG

PRECISION COMPONENTS FOR CRANE & HOIST BUILDERS

Gears · Seamless Steel Tubes · Castings & Forgings — machined to your drawing at our production base in Wuxi, Jiangsu

Beijing HCGR Technology Co., Ltd. · www.HCGRparts.com

A Production Base Built Around Quality

Beijing HCGR Technology Co., Ltd. manufactures gears, steel tubes, castings and forgings for crane & hoist builders at our production base in Wuxi, Jiangsu.

For more than a decade we have supplied components that end up inside European cranes, hoists and machinery. That history taught us one thing: crane builders do not stay with a supplier because of price — they stay because every delivery arrives with the documents to prove it was made right.

So we built our production base around that idea. One quality system covers all four product lines — full inspection, heat-number traceability and EN 10204 3.1 certificates as standard.

10+
Years supplying European crane & hoist builders

3.1
EN 10204 certificates as standard

100%
Full dimensional inspection before shipment

24 h
Typical quotation turnaround

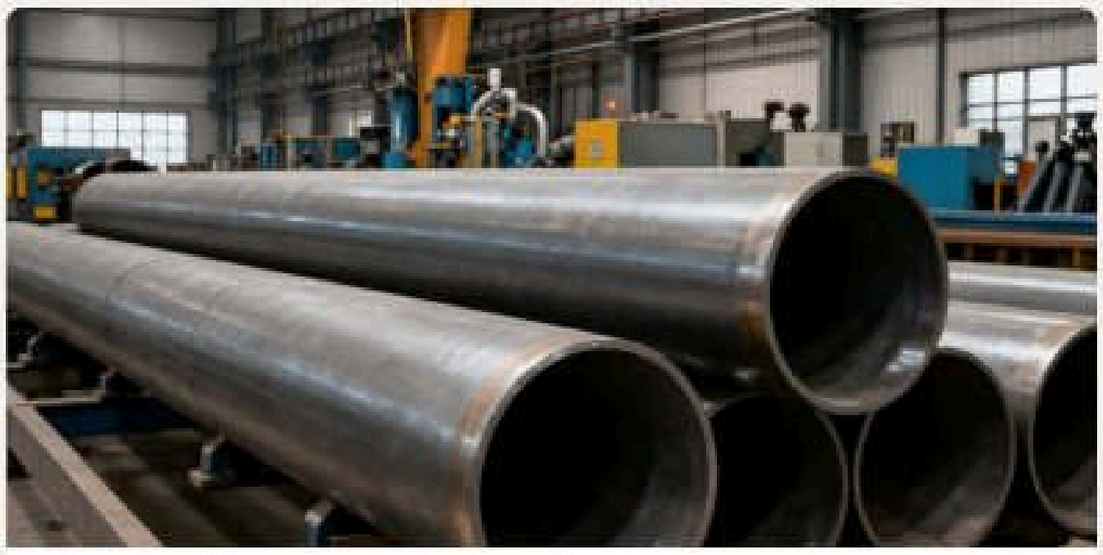
> *"Every delivery arrives with the documents to prove it was made right — that is what keeps a crane builder with a supplier."*

Four Product Lines, One Quality System

Every line we make is produced to your drawing, inspected before shipment and delivered with material certificates — under the same quality system.

01 · Precision Gears

Spur, helical, bevel and worm gears, gear shafts, ring gears and racks — ground to your drawing.



02 · Seamless Steel Tubes

EN 10216 series tubing and honed cylinder barrels, cut to length and consolidated into one container.

03 · Castings

Motor housings, end shields, bearing caps, pulleys and brake drums — machined complete.

04 · Forgings

Forged bars, stepped plates, shaft and flange blanks — heat treated and verified before machining.

One drawing · one purchase order · one certificate — across all four product lines.

Precision Gears to Your Drawing

01

One production base for every gear your crane or hoist needs — with heat treatment and gear grinding under one quality system, made to your drawing or sample.

Spur, helical, bevel & worm

Hobbed, shaped, shaved and ground — accuracy class per your drawing.

Shafts, ring gears & racks

Spline and pinion shafts, internal and external ring gears, racks for travel and slewing drives.

Heat treatment

Carburizing & quenching, induction hardening, nitriding — CHD and core hardness verified.

Grinding & inspection

Gear grinding with profile and lead inspection reports supplied on request.

FAI report with every first article · EN 10204 3.1 certificates as standard.

Where Our Gears Run

Hoisting & slewing

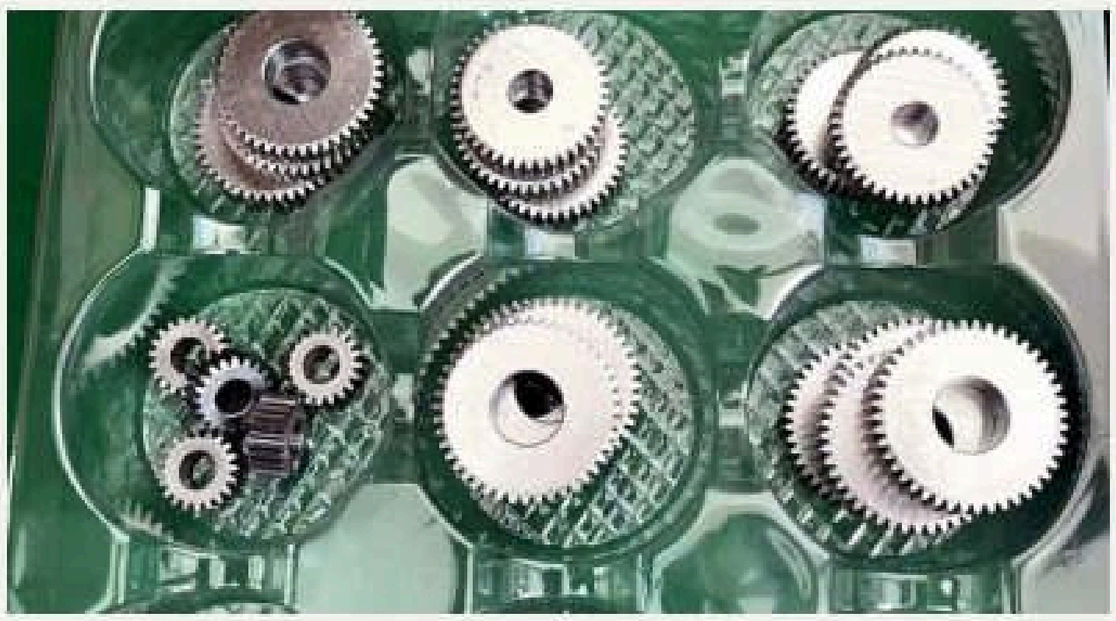
Gears and pinions for hoist gearboxes and slewing drives — carburized and ground for quiet, long-life operation under load.

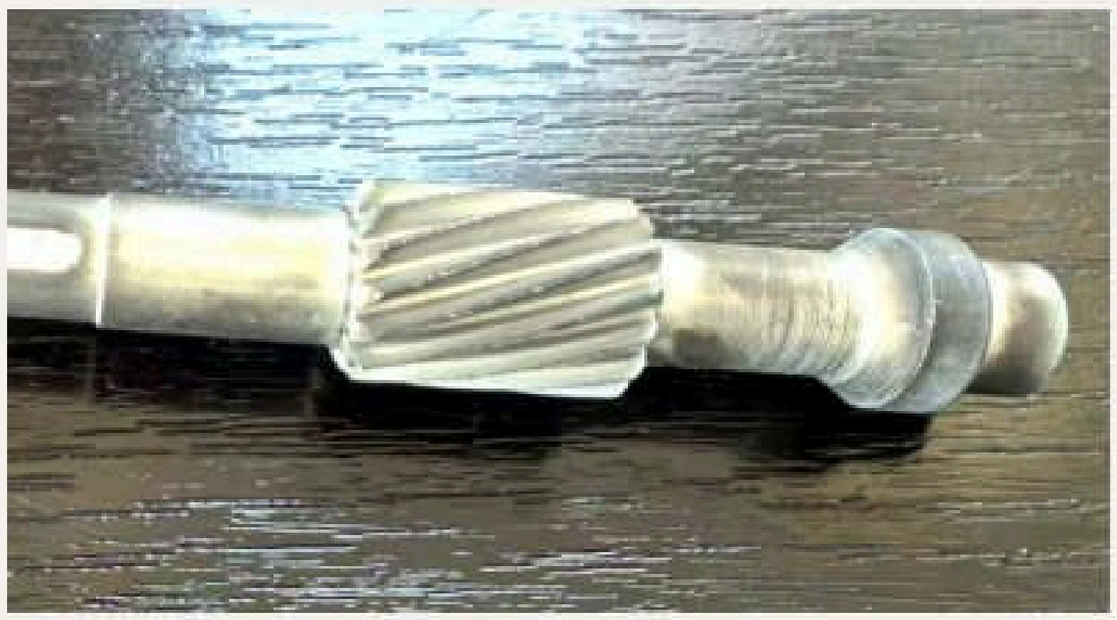
Travel mechanisms

Wheel gears, pinion shafts and spline shafts for travel drives, machined complete from bar or forging.

To drawing or sample

Send a drawing or a sample part — we quote against your specification, not a generic substitute.





Materials	20MnCr5 (1.7147) · 18CrNiMo7-6 (1.6587) · 42CrMo4 (1.7225) · 34CrNiMo6 · C45 — full heat-number traceability
Heat treatment	Carburizing & quenching · induction hardening · nitriding — CHD and core-hardness verification
Machining & grinding	Hobbing, shaping, shaving · gear grinding · profile and lead inspection reports on request
Accuracy standards	ISO 1328 / DIN 3962 — accuracy class per your drawing
Quality documents	EN 10204 3.1 certificates · FAI full dimensional report · heat-treatment records

02

Seamless Steel Tubes — Small Lots, Mixed Specs

Mills want long runs of one size. Machinery builders need the opposite: ten sizes, a few hundred kilos each. We cut, machine and consolidate — so you order one PO instead of ten.

EN 10216 series

-1 non-alloy · -2 pressure & temperature · -3 alloy fine grain

Honed tube

Honed and skived & roller-burnished — ID tolerance H8 / H9

Cut to length

Cutting, machining and surface treatment to order

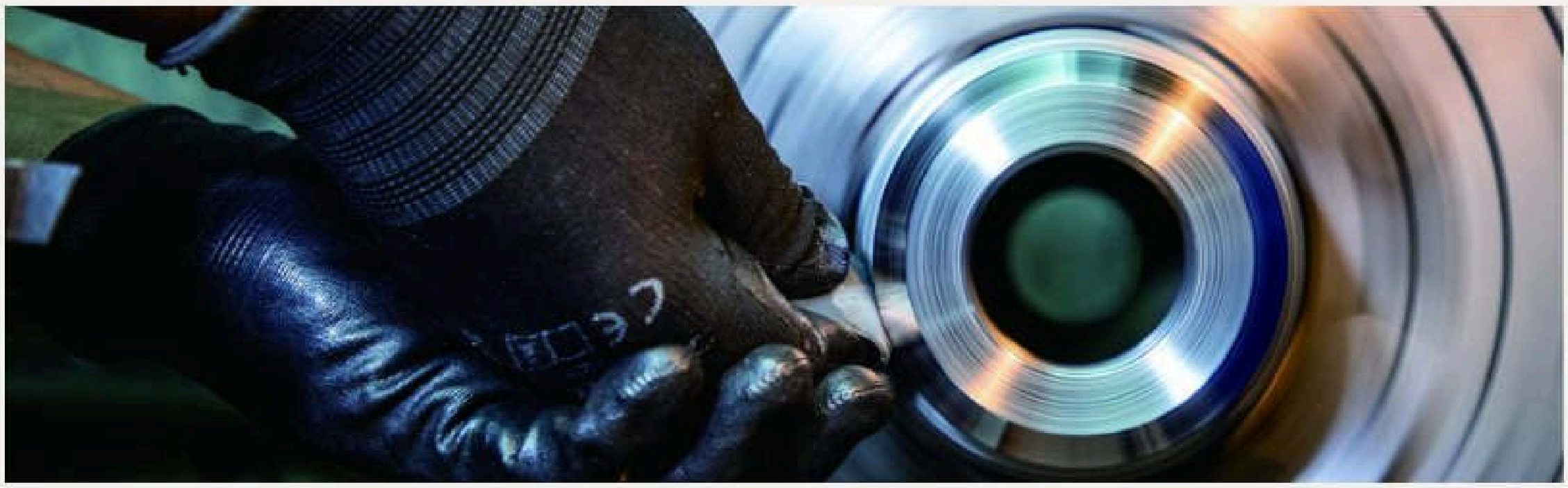
One container

Mixed sizes consolidated into a single shipment

Typical grades	E235 / E355 (1.0308 / 1.0576) · St52 · 42CrMo4 for high-strength applications
Applications	Cylinder barrels · structural tubing · pressure lines · drive and roller shafts
Delivery terms	FOB · CIF · DAP — flexible terms, mixed sizes consolidated in one container

Machining & Value-Added Services

Gears, tubes, castings and forgings all finish in the same shop — bores, faces, threads and keyways machined to your drawing tolerance before inspection.



Turning & milling

Bores, faces, shoulders and keyways finished to drawing tolerance.

Threads & drilling

Tapped holes, bolt circles and oil holes machined complete before inspection.

Gear grinding

Profile and lead grinding with inspection reports supplied on request.

Surface & end finishing

Deburring, surface treatment and end finishing before packing.

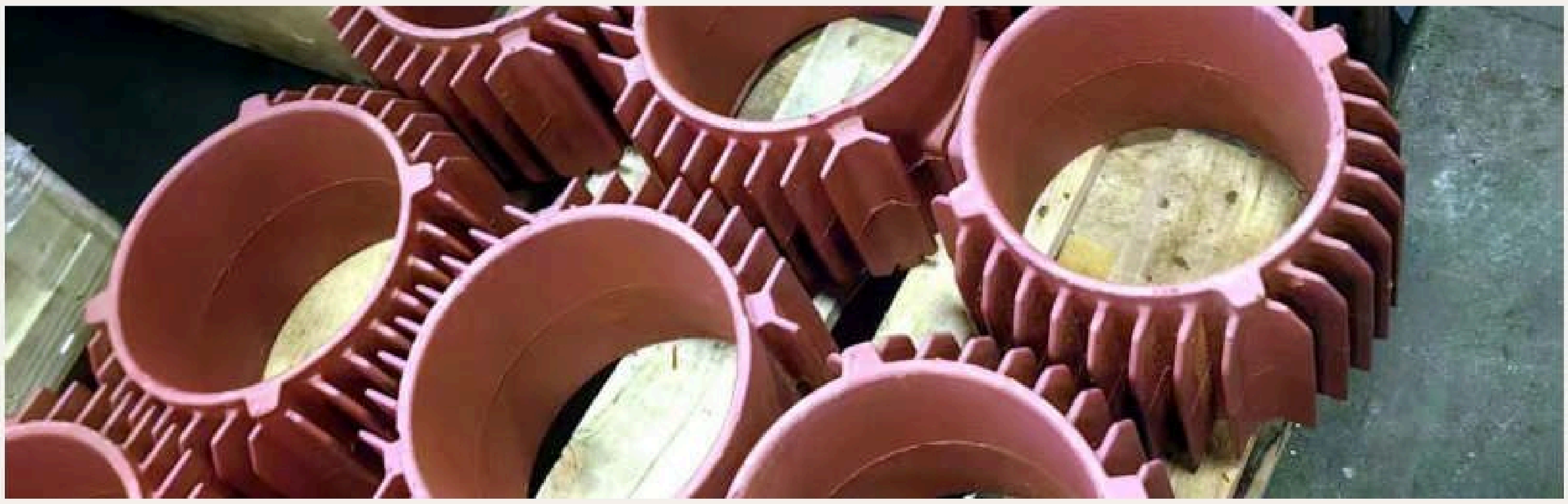
Fully machined cast bearing cap — bore, face and threads

Spline and gear shafts machined complete in one setup

03

Castings — Motor Parts & Housings

Motor housings, end shields, bearing caps, pulleys and brake drums — cast in grey iron, ductile iron or cast steel, then machined complete in our own shop.



Casting processes

Sand casting and investment (precision) casting — grey iron, ductile iron or cast steel.

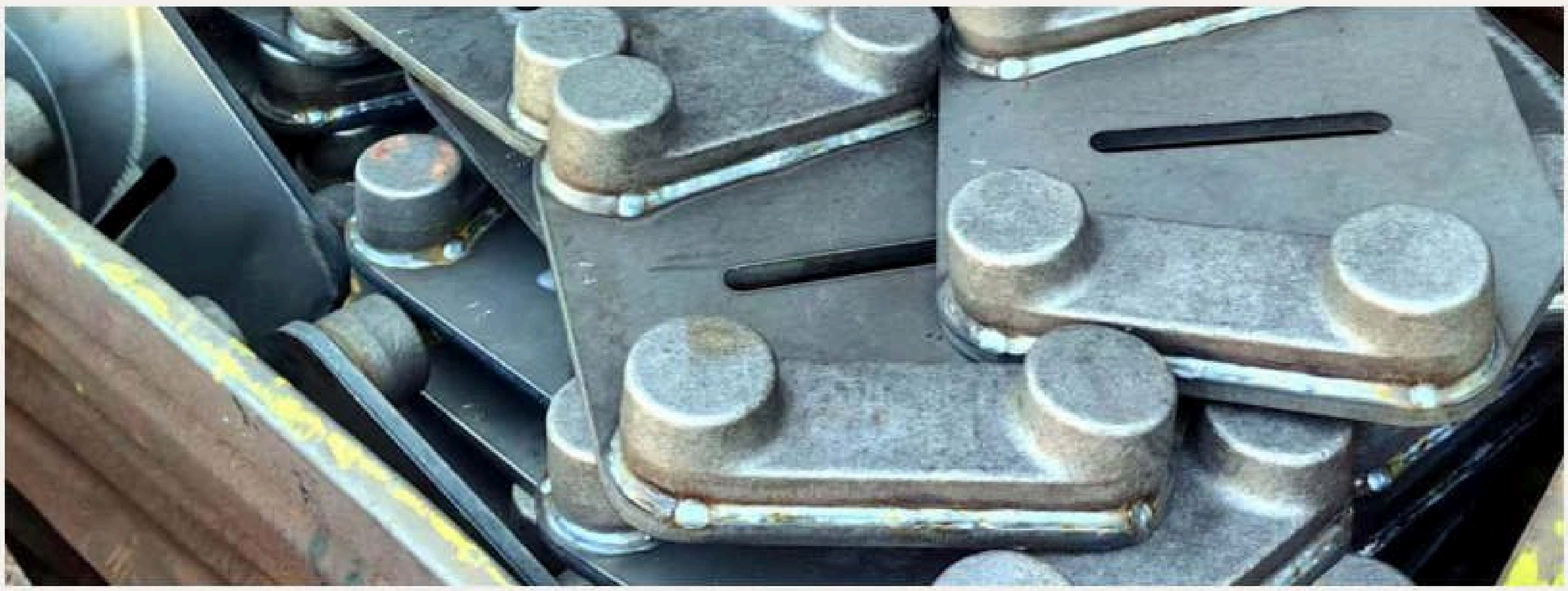
Hardness control

Verified to your specification — typically 180–230 HB for motor parts, recorded per batch.

Typical parts	Motor housings & end shields · bearing caps · pulleys · brake drums · housings to drawing
Machining	Complete machining to drawing tolerance · EN 10204 3.1 · FAI report with every first article

Forgings — Bars, Plates & Shaft Blanks

Forged bars, stepped plates, shaft blanks and flange blanks — forged for sound internal structure, then heat treated and machined to your specification.



Bars & blocks

Forged bars and blocks in carbon and alloy steels, cut to your length.

Stepped plates

Stepped plates with bosses and slots, machined after heat treatment.

Shaft & flange

Shaft and flange blanks forged, then rough-machined before finishing.

Heat treatment

Normalizing · quench & temper · hardness checks

Materials	Carbon & alloy steels — C45 · 42CrMo4 · 34CrNiMo6 and per drawing
Processes	Die forging · free forging — sound internal structure verified before machining
Documents	EN 10204 3.1 certificates · hardness and ultrasonic reports on request

04

Every Order, Documented

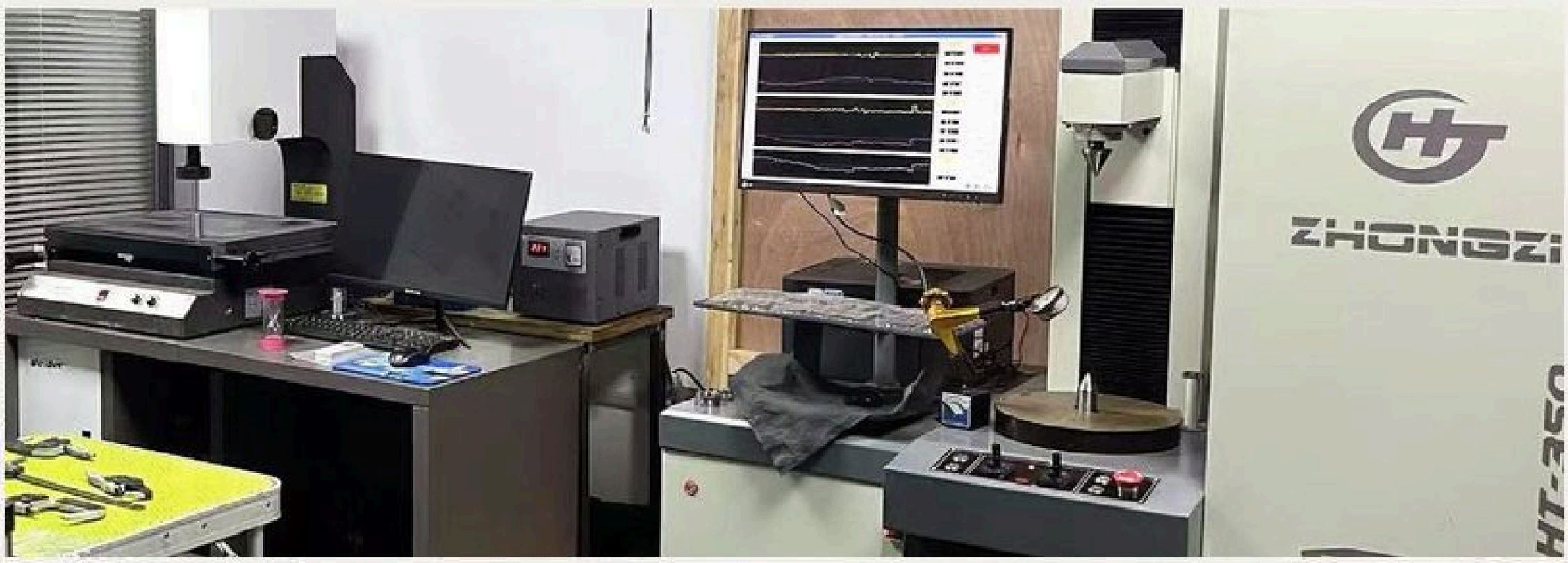
One quality system covers all four product lines. The documents come as standard — not as an extra.

01
Incoming material
Heat-number traceability from raw material to finished part.

02
Heat treatment
CHD and core-hardness verification — hardness recorded per batch.

03
Final inspection
100% dimensional inspection before every shipment.

04
Document pack
EN 10204 3.1 certificates · FAI report · heat-treatment records.



EN 10204 3.1 certificates · full dimensional inspection report
Heat-treatment records per batch · FAI report for every new part · drawings kept confidential

From Drawing to Shipment

Send a drawing, get a clear quotation, approve the first article — then receive inspected parts with their documents.

01
Send drawing
Attach your drawing and the quantity.

02
Quotation
Quotation typically within 24 hours.

03
First article
FAI report sent for your approval.

04
Production
Machining, heat treat, 100% inspection.

05
Shipment
Documents, then FOB · CIF · DAP.

Small batches welcome
Mills want long runs of one size — we are built for the opposite: ten sizes, a few hundred kilos each, consolidated into one container.

Drawings stay confidential
Your drawings and specifications are used for your order only — quotations are clear and complete, with no hidden extras.

Finished gears on the inspection bench before packing and shipment

Beijing HCGR Technology Co., Ltd.

Send your drawing — we quote in 24 hours.

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WEB
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Scan · WhatsApp

Gears · Seamless Steel Tubes · Castings & Forgings — one drawing, one PO, one certificate