

COMPANY PROFILE

HOSES · CONNECTORS · ASSEMBLIES



COMPANY OVERVIEW

ZMTE is an integrated manufacturer of hoses, connectors and hose assemblies. With in-house engineering, advanced manufacturing and strict process control, we ensure system compatibility, reliable performance and operational safety.

Supported by comprehensive testing, stable production capacity and experience in over 70 countries, ZMTE provides dependable supply, OEM customization and application-based hydraulic solutions for customers worldwide.



 **ESTABLISHED
IN 1997**

5+1
PLANTS


353,000m²
MANUFACTURING
AREA


600+
EMPLOYEES


70+
COUNTRIES
Exported

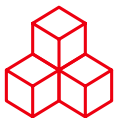

84M+
METERS
Annual Production


23+
 **LABS**
For Quality

WHY CHOOSE ZMTE

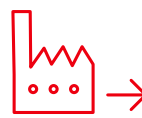
ZMTE combines in-house engineering, integrated manufacturing and global supply experience to deliver reliable hydraulic solutions from individual components to complete hose assemblies

01 Integrated by Design



We develop and manufacture hoses and fittings in-house and produce hose assemblies under controlled crimping processes. All components are engineered to work together as one system for compatibility, sealing integrity and operational safety

02 Scalable and Dependable Supply



Large-scale production capacity, disciplined planning and stable manufacturing operations enable consistent output and dependable lead times for both regular and high-volume orders

03 Controlled from Material to Release



From rubber compound preparation and hose reinforcement to fitting machining, assembly and final release, every critical stage follows clearly defined production and quality controls

04 Tested Beyond International Standards



Comprehensive material, dimensional, pressure, impulse and environmental testing is conducted to internal validation criteria that meet applicable international standards, delivering exceptional reliability and consistent quality across production batches

05 Engineered Around Your Application



Our OEM support covers hose specifications, compound formulations, fittings, branding and drawing-based assemblies, turning specific application requirements into production-ready solutions

06 Global Experience & Market Support



With products exported to over 70 countries, ZMTE provides application-based solutions, reliable supply and distributor support for customers across different industries and markets

DESIGN → MANUFACTURE → TEST → INTEGRATED SYSTEMS → SUPPLY

One partner for engineered compatibility, verified quality and dependable supply

JOURNEY & MILESTONES

From foundation to future, building strength for generations

1997

1st · Establishing
the Foundation

01



2007

2nd · Scaling Up
Modern Production Base

02



2015

3rd · Expanding Capacity
Advanced Manufacturing

03



2018

4th · Group-Scale Growth
Mega Facility Launch

04



2020

5th · Vertical Integration
The Birth of GEMCO

05



2026

6th · Shaping the Future
Smart & Eco-Friendly Industrial Complex

06



MASS PRODUCTION & MANUFACTURING

Large-scale production capacity, built for consistent quality and global demand



HYDRAULIC & INDUSTRIAL HOSE

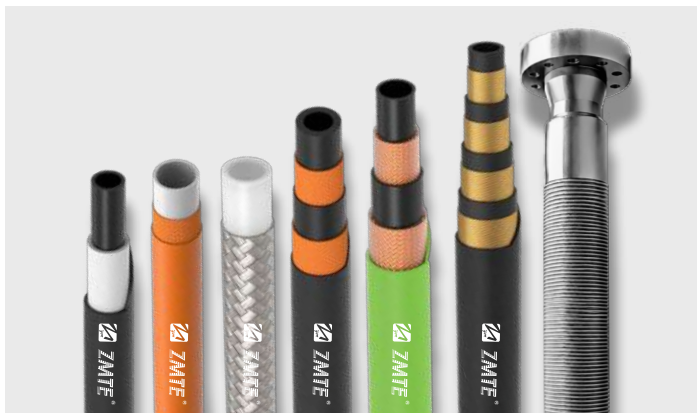
High-pressure hydraulic applications, high-pressure hose solutions, wire-braided hose



01 HYDRAULIC HOSE SOLUTIONS

High Pressure Hydraulic Applications

- Wire Braided Hose
- High Pressure Hose Solutions
- Spiral Hose
- Hydraulic Hose Assemblies
- SAE & EN Standard Hose



02 SPECIAL & INDUSTRIAL HOSE SOLUTIONS

For Demanding Applications

- Thermoplastic Hose
- Cleaning Hose
- PTFE Hose
- Industrial Hose
- Oilfield Hose

FLUID CONNECTION & CUSTOM ASSEMBLY

From individual connections to complete, application-ready hose assemblies



03 FLUID CONNECTION SOLUTIONS



Complete Fluid Connection Systems

- One-Piece Fittings
- Two-Piece Fittings
- Adapters
- Quick Couplings
- Ball Valves
- Hammer Unions



04 CUSTOMIZED HOSE ASSEMBLIES

From Components to Assemblies

- Custom Lengths and End Connections
- Drawing-based OEM Assemblies
- Pressure Testing and Batch Traceability
- Hose Protection Options

HEAVY-DUTY INDUSTRY APPLICATIONS

Reliable hydraulic connections for the world's toughest work

01 Construction and Engineering



02 Mining Industry



03 Agricultural Machinery



04 Oil and Gas Industry



05 Forestry & Paper Industry



06 Marine Engineering



ADVANCED INDUSTRY APPLICATIONS

Precision fluid power for efficient, automated and sustainable operations

07



Cleaning & Maintenance



08



Material Handling & Logistics



09



Industrial Automation



10



Automotive & Transportation



11



Renewable Energy



12



Chemical & Pharmaceutical



RAW MATERIAL PREPARATION

Separate preparation flows for rubber compounds and steel reinforcement wire

RUBBER COMPOUND PREPARATION



01 MATERIAL DOSING



02 RUBBER MIXING



03 COMPOUND TESTING

STEEL WIRE PREPARATION



01 INCOMING WIRE INSPECTION



02 PREPARED WIRE BOBBINS

HOSE PRODUCTION PROCESS

Core manufacturing stages for ZMTE hydraulic hose



01 INNER TUBE EXTRUSION



02A STEEL WIRE SPIRALING



02B STEEL WIRE BRAIDING



03 OUTER COVER EXTRUSION



04 VULCANIZATION



05 PRESSURE TESTING



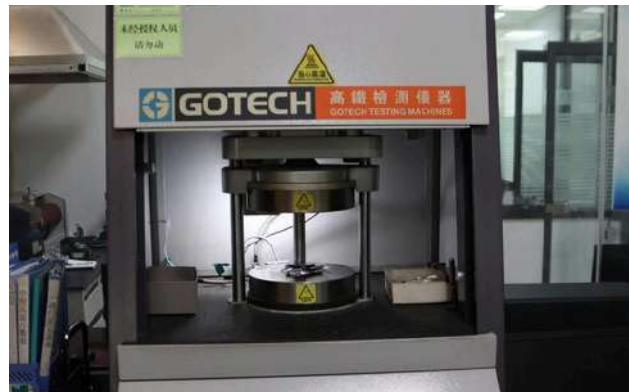
06 PACKING & DISPATCH

R&D CAPABILITIES

Advanced hose development & testing



Tensile Testing Machine



Vulcanization Machine



Temperature & Humidity Chamber



Electric Heating Drying Oven



Aging Test Chamber



Flat Vulcanizing Press

LAB TESTING

Material & performance analysis



Density Measurement



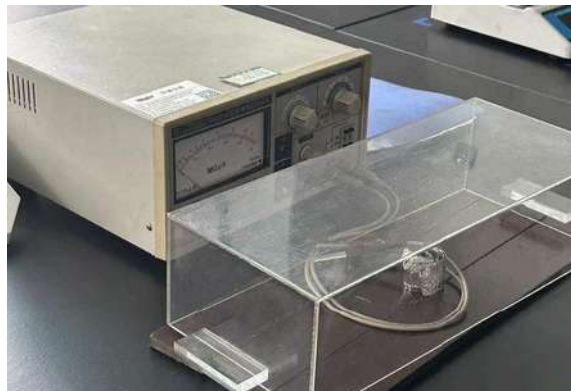
Conductivity Meter



Carbon Black Analyzer



Vacuum Resistance Testing Machine



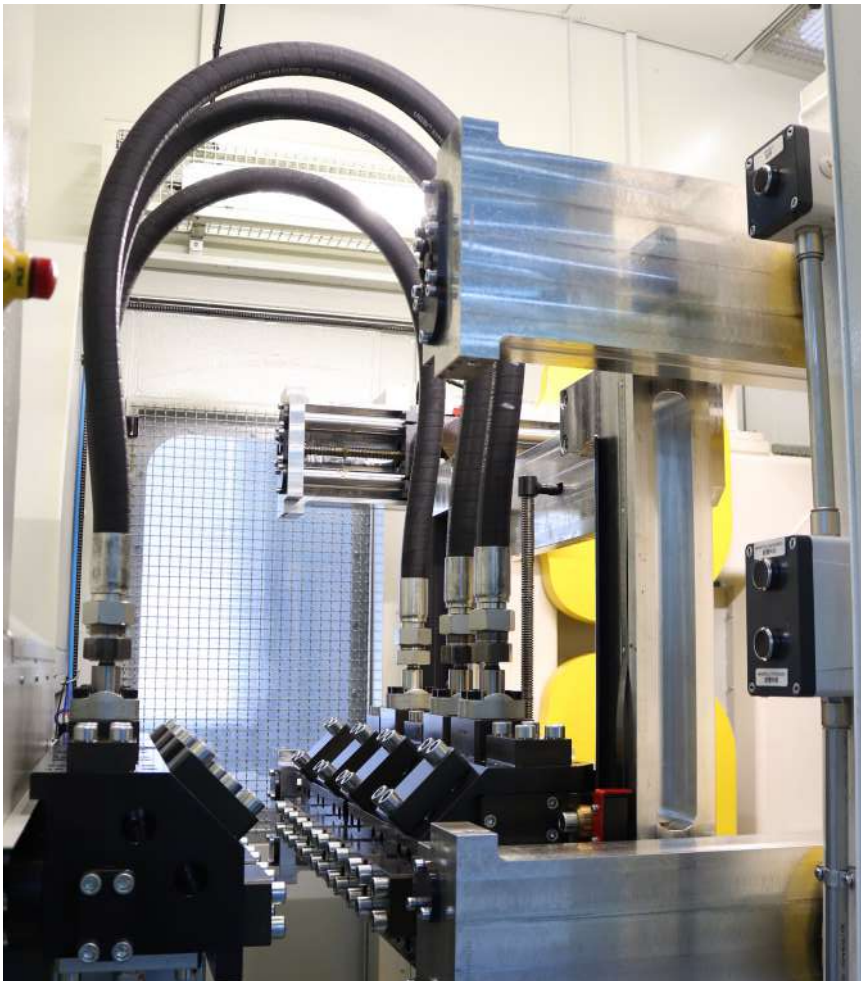
Resistance Tester



Wear Resistance Testing Machine

IMPULSE TESTING CAPABILITY

Impulse testing evaluates hose performance under repeated pressure cycles



ENVIRONMENTAL & MECHANICAL TESTING

Validating environmental durability, wear resistance, flexibility and burst strength

ENVIRONMENTAL DURABILITY



Ozone Testing Machine



QUV Accelerated Weathering Tester



Cold Resistance Test Chamber

MECHANICAL & PRESSURE PERFORMANCE



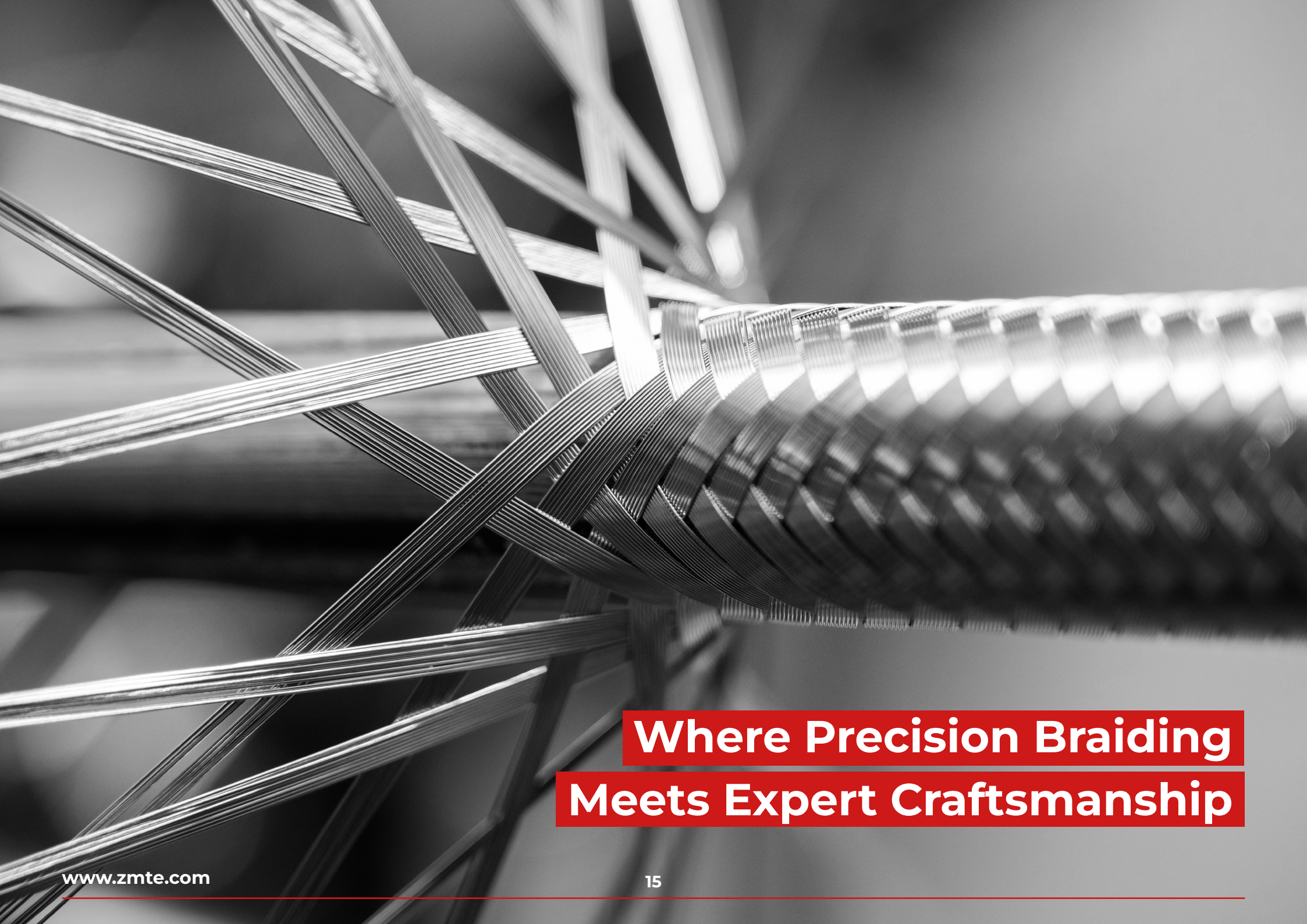
Rotary Abrasion Tester



Hydrostatic Burst Test Bench



Bend Radius Testing Machine



**Where Precision Braiding
Meets Expert Craftsmanship**

GLOBAL REACH

Our products are exported to **70+** countries worldwide, with key markets in Europe, North America and South America



MAJOR OEM PARTNERS

Selected Chinese partners are shown. The identities of our overseas partners are kept confidential



CONSTRUCTION MACHINERY | Since 2017



ZOOMLION



MINING EQUIPMENT | Since 2006



STEEL SMELTING | Since 2018



COAL MINING | Since 2015



PETROLEUM | Since 2015



CERTIFIED SYSTEMS

Certification evidence is organized by system, industry and product compliance



DNV , ABS and Applications for these certifications are currently under review

FITTINGS MANUFACTURING

Controlled machining and inspection turn metal components into dependable connections



01

PRECISION MACHINING

Advanced CNC machining ensures tight tolerances and consistent quality



02

THREAD CONTROL

Accurate thread inspection guarantees reliable sealing and assembly



03

SURFACE TREATMENT

Surface treatments enhance corrosion resistance and product durability



04

DIMENSIONAL CHECK

Comprehensive measurement verifies every critical dimension meets standards



05

FINAL RELEASE

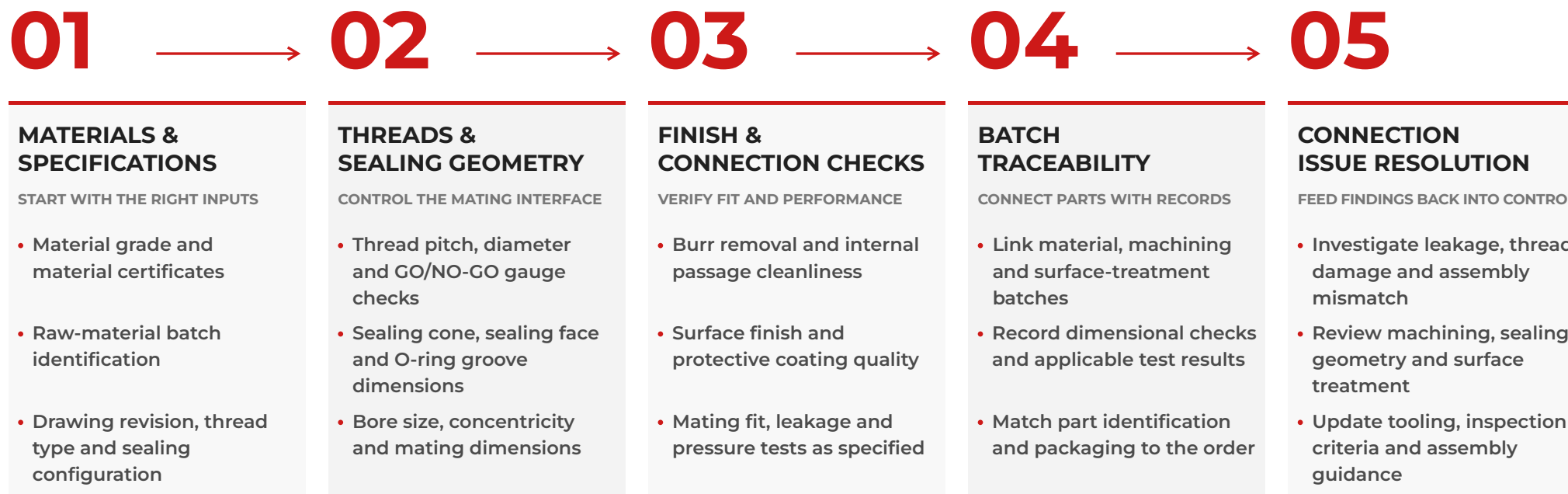
Final inspection and approval ensure only defect-free products are delivered



GEMCO FITTINGS MANUFACTURING

QUALITY CONTROL

Ensuring material, thread and sealing quality in hydraulic fittings & connectors



FITTING QUALITY CONTROL LOOP

RELEASE WITH FITTING-SPECIFIC EVIDENCE

MATERIAL VERIFIED · THREADS CHECKED · SEALING INTERFACES INSPECTED

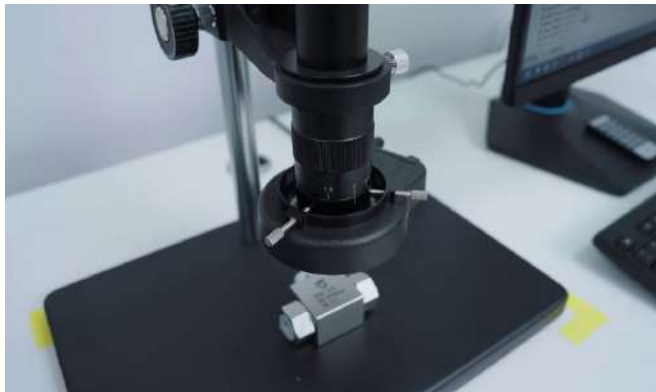
Inspection and testing follow the approved drawing and product-specific control plan.

FITTING TESTING & INSPECTION

Corrosion testing, dimensional measurement and surface inspection



SALT SPRAY TESTING



OPTICAL MEASUREMENT



DIMENSIONAL INSPECTION



SURFACE MEASUREMENT



PROFILE MEASUREMENT



LASER MARKING

HYDRAULIC HOSES

HIGH PRESSURE · IMPULSE RESISTANCE · RELIABLE DELIVERY



INDUSTRIAL HOSES

MULTI-MEDIA TRANSFER • FLEXIBLE & DURABLE • VERSATILE APPLICATIONS



PRESSURE CLEANING HOSES

POWERFUL CLEANING · FLEXIBLE HANDLING · BUILT TO LAST



THERMOPLASTIC HOSES

LIGHTWEIGHT DESIGN • EXCELLENT FLEXIBILITY • RELIABLE PERFORMANCE



ONE-PIECE HOSE FITTINGS

INTEGRATED DESIGN · SECURE CONNECTION · EFFICIENT ASSEMBLY



TWO-PIECE HOSE FITTINGS

FLEXIBLE CONFIGURATION · VERSATILE COMPATIBILITY · EASY MAINTENANCE



ADAPTERS

VERSATILE CONFIGURATIONS • SECURE CONNECTIONS • RELIABLE SEALING



QUICK COUPLINGS

QUICK CONNECTION • EASY DISCONNECTION • EFFICIENT OPERATION



CONTROL & LINE PROTECTION

HIGH-PRESSURE BALL VALVES • PIPE CLAMPS • HOSE SLEEVES



HYDRAULIC HOSE ASSEMBLIES

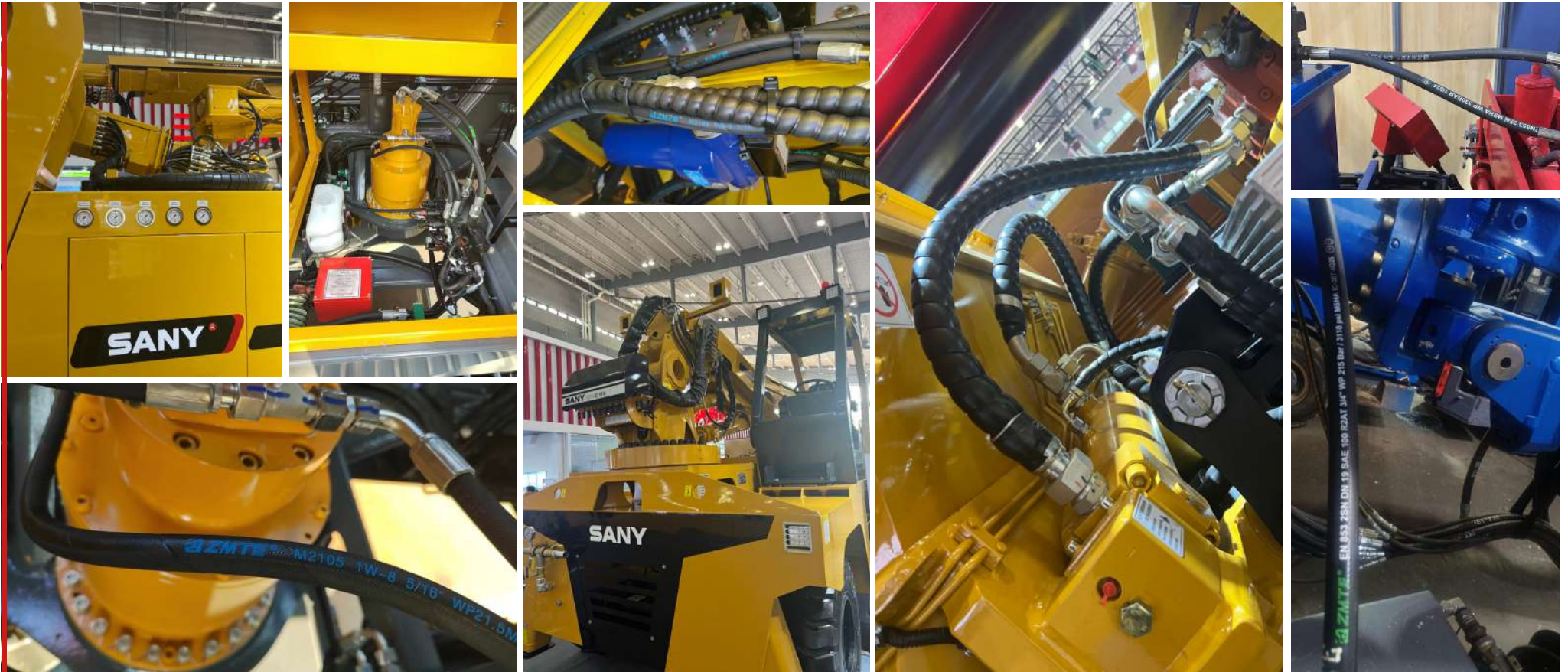
Custom lengths, specified end connections, pressure testing and hose protection for OEM assemblies



Requirements Review → Specification Confirmation → Assembly and Testing → Identification and Delivery

FIELD APPLICATION CASES

Reliable fluid power solutions for heavy machinery, construction equipment, and industrial systems



Site Inspection → Tailored Configuration → System Integration → On-Site Commissioning

OEM CUSTOMIZATION & SUPPORT

Custom product development, engineering support and quality assurance



01 OEM CUSTOMIZATION

- Hose covers, colors & compound formulations
- Branding, laylines & private labeling
- Fittings, ferrules & material options



02 ENGINEERING SUPPORT

- Customized specifications and drawings
- Drawing-based assemblies & technical documents
- Application engineering support



03 QUALITY ASSURANCE

- Raw material and production control
- Performance testing to global standards
- Full batch traceability

ONE PARTNER · CUSTOM ENGINEERING · QUALITY PRODUCTION · GLOBAL MARKET SUPPORT

DISTRIBUTOR & MARKET SUPPORT

Industry applications, reliable delivery and long-term market growth



04 INDUSTRY APPLICATIONS

- Construction, mining & agriculture
- Oilfield and industrial equipment
- Solutions matched to operating conditions



05 MANUFACTURING & SUPPLY

- Stable production capacity
- Priority manufacturing and delivery
- Consistent quality and customization



06 BUSINESS & PORTFOLIO GROWTH

- Broader hose & fitting portfolio
- Technical training & marketing assets
- Joint regional market development

ONE PARTNER · CUSTOM ENGINEERING · QUALITY PRODUCTION · GLOBAL MARKET SUPPORT



BUILD YOUR NEXT HYDRAULIC SOLUTION WITH ZMTE

ZMTE Group



 info@zmte.com

 +86 155 5706 5806

 www.zmte.com

 www.gemco-hydraulic.com

 ZMTE Group Headquarters: Blue Castle International Center, Building 1, West Dawang Rd., Beijing City, China

 ZMTE Hose Production Base: Jingxian County, Hengshui City, Hebei Province, China