



[Youlilai Rubber & Plastic Products Co., Ltd.] High-Pressure Hose Core Solution Provider

2026

Specializing in high-performance fluid transport

Speaker: Chen Dingxiang

Reporting date: May 19, 2026



目录 *CATALOGUE*

1. company profile

3. technological superiority

5. Customized Partnership Solutions

7. back cover

2.Product Introduction

4.Quality Assurance

6.Future Collaboration

>>>Company Profile

Company Profile

Youlilai Rubber and Plastic Products Co., Ltd. was established in 2010 and specializes in the development, production, and sales of rubber, plastic, and hydraulic products. The company occupies a total area of 11,000 square meters, of which 3,500 square meters are dedicated to factory facilities. The company currently employs 62 staff members, including 7 technical personnel, 3 engineers, and 1 senior engineer. The company has introduced more than 100 sets of advanced equipment, such as modern extruders, steel wire braiding machines, fiber braiding machines, pipe cutting machines, and crushers.

The company's primary products include polyurethane high-pressure hoses, centralized lubrication system hoses, pressure measurement hoses, pressure measurement couplings, and ultra-high-pressure water清洗 hoses, among others. These products are widely used in industries such as machinery manufacturing, power tools, and the medical sector. The company has established long-term strategic partnerships with renowned domestic and international enterprises and enjoys the trust and recognition of customers across various industries.

Market Share Growth Trend

Over the past five years, the company has seen a steady increase in its market share within the domestic heavy-duty truck high-pressure polyurethane hose market; as it continues to expand its business, its market share is expected to grow by% over the next three years.

Industry Influence

The company has participated in the development of numerous industry standards, spearheaded the formulation of technical specifications for high-pressure polyurethane hoses, elevated the overall quality level of the industry, maintained a leading position within the sector, demonstrated China's robust hose manufacturing capabilities, and attracted significant attention from a wide range of international clients.

>>>Factory Site Photos

Business Owner Portal – Actual Image



administrative area



R&D Meeting



>>>Factory Site Photos

Hose Extrusion Line



Through digital process parameter control combined with a full-process closed-loop quality management system, precise extrusion with a wall thickness deviation of ≤ 0.05 mm and concentricity of $\geq 99\%$ is achieved, meeting the stringent performance requirements for pipes in industries such as automotive and medical applications;

High-Pressure Polyurethane Hose Final Assembly Workshop



The company utilizes German Uniflex clamping machines, combining intelligent control with a modular design to enable high-precision, high-efficiency production of hydraulic hose assemblies; the annual output can reach 2 million units.

>>>Factory Site Photos

Steel Wire Reinforcement Workshop



Designed for the production of steel wire braided layers with an inner diameter ranging from 3–32 mm and a pressure rating of 5–300 MPa, this product meets the diverse application requirements of mining heavy-duty trucks, new energy vehicles, and other scenarios, with an annual production capacity exceeding 3 million meters;

Fiber Reinforcement Workshop



High-strength aramid fiber: Made from imported aramid filament (tensile strength ≥ 3000 MPa), which is woven into an reinforcement layer using a precision weaving process;

Warehousing



Routine hose raw materials are stocked based on the formula '7-day rolling demand + 15% safety stock'; the current total inventory exceeds 100,000 meters; the raw material batch card system enables 'one-item, one-code' traceability; the First-In, First-Out (FIFO) management system is implemented;



2025

PART 02

Product Present-ation



>>>Product Introduction

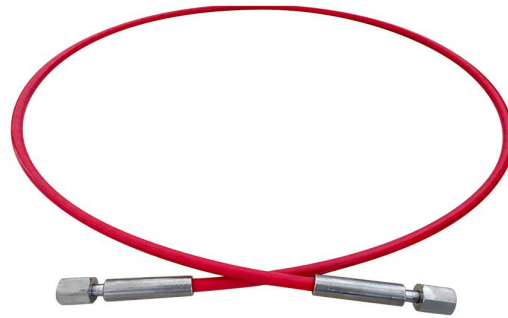
Hydraulic Hose Assembly



Exhibits excellent oil resistance, heat resistance, and aging resistance; withstands high pressure; and features outstanding pulse performance;

Primarily used for the delivery of lubricating oil via hose for power tools and for liquid transmission.

Oil Pipe Assembly



Maintains sealing integrity even under high-pressure conditions exceeding 40 MPa.

Reliability is verified through $\geq 50,000$ pulse cycle tests and a burst pressure test (≥ 3 times the operating pressure).

Pressure Measurement Coupling

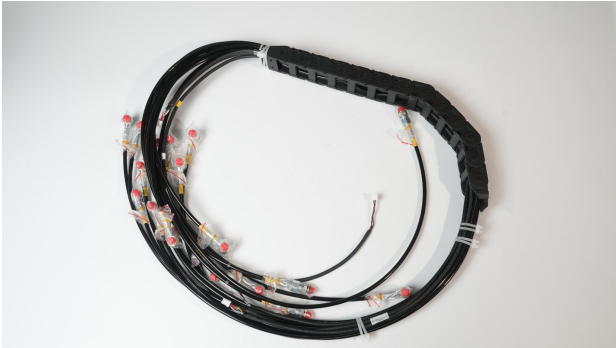


Quick-change joint + check valve for leak prevention; high sealing performance; strong pressure resistance; lightweight and flexible design.



>>>Product Introduction

Oil Pipe Assembly



Small inner diameter, high working pressure and minimum bending radius.

Mainly applied in electro - hydraulic operating tables to realize smooth movements including lifting and tilt adjustment of the operating table.

High-Pressure Nylon Resin Tube

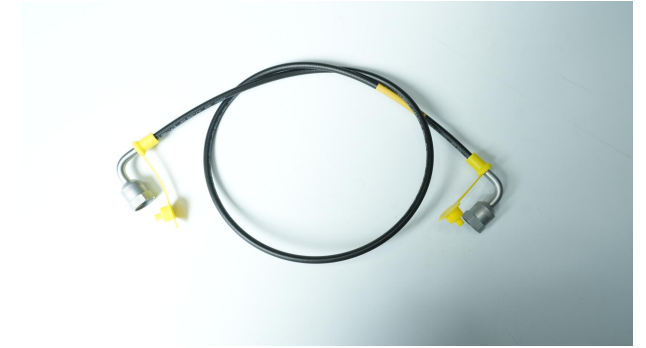


It features substrate wear - resistance, electrical insulation and light - weight performance.

Suitable for electrical equipment wiring, construction machinery hydraulic hoses, automotive braking systems and mining delivery hoses.



Pressure Measurement Hose



It features high - pressure resistance, corrosion resistance and easy installation, optimizing equipment operation efficiency and safety performance.

Suitable for hydraulic circuit pressure detection of excavators, cranes and other equipment.

>>> Technical Advantages



01

High-voltage resistance;

Polyurethane hoses can withstand high-pressure environments exceeding 40 MPa, meeting the stringent requirements for pressure stability in hydraulic systems (e.g., steering systems, brake lines);



02

Anti-pulse performance;

The steel - wire reinforcement layer greatly enhances pulse resistance, making it suitable for high - frequency vibration conditions on engines.

03

Sealing Reliability;

The hose sealing conical surface is manufactured using a zero-defect process to ensure that the hydraulic system operates over the long term without leakage.Reduce vehicle failure rates;



>>> Technical Advantages



01

Chemical compatibility;

The oil resistance is more than five times that of standard rubber; it can withstand prolonged exposure to oils (such as engine oil or hydraulic fluid) without experiencing hose aging caused by oil-induced corrosion;



02

Anti-wear service life;

The wear resistance is three times that of rubber, reducing wear on the pipe wall caused by friction from sand, gravel, or metal debris. Protects against damage and extends the service life of engineering vehicles operating on complex road conditions.

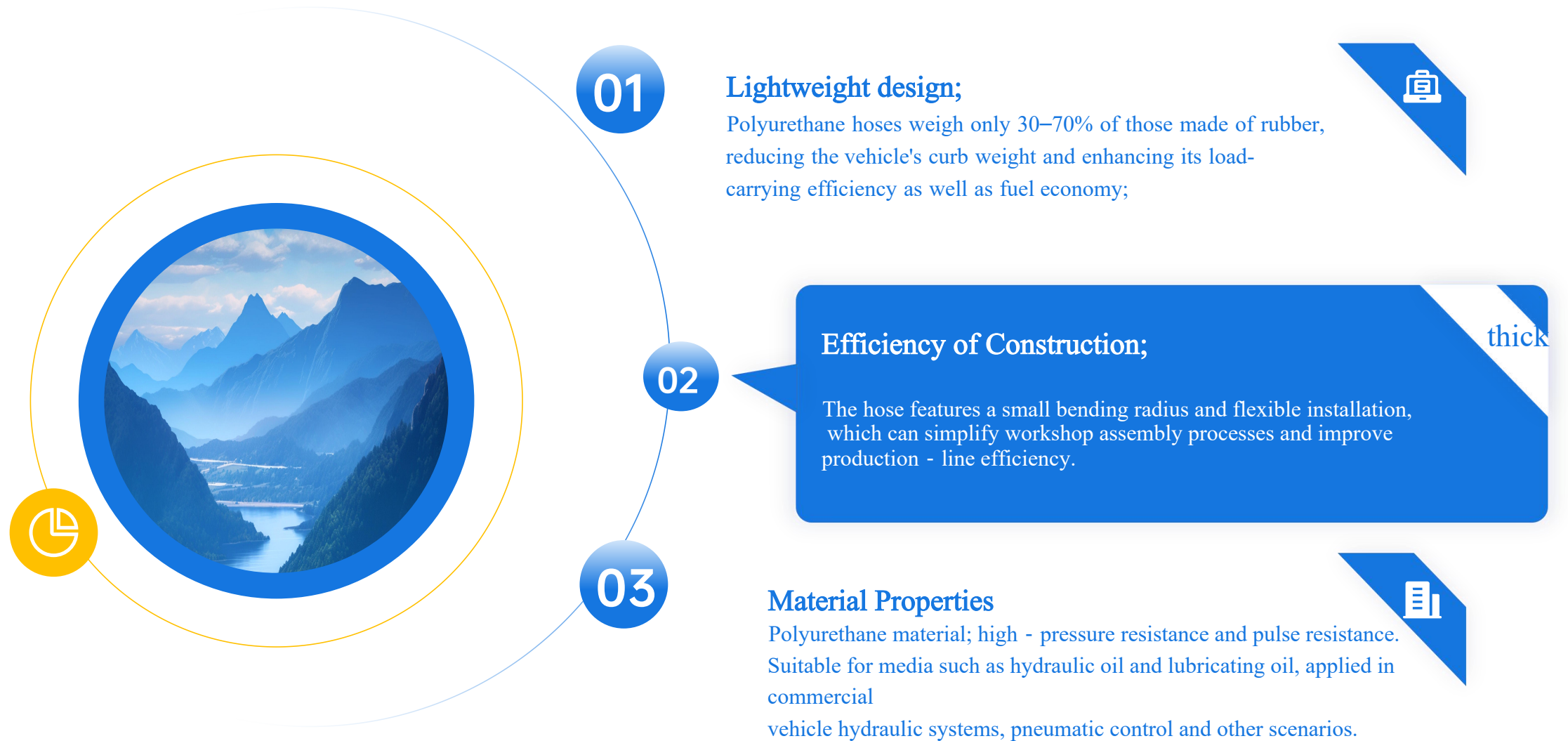
03

Thermal Adaptability;

The temperature resistance range covers -40°C to +120°C, ensuring that the hose maintains stable performance in extreme cold or high-temperature environments, making it suitable for heavy-duty truck applications across various climatic regions;



>>> Technical Advantages



PART 04

Quality Assurance

2025

>>>Quality Assurance



Standard Compliance

The product strictly complies with industry standards, with comprehensive quality control implemented throughout the entire process – from raw material procurement to final product delivery – ensuring that the hose operates reliably even under extreme and harsh environmental conditions, meeting stringent reliability requirements.



Full - process traceability system

Implement a comprehensive end-to-end traceability system that enables full visibility into material batches, production processes, testing data, and delivery information, with clear accountability assigned to individual personnel. In the event of any product quality issue, the root cause can be swiftly identified, and the affected products can be promptly recalled to safeguard consumer rights.

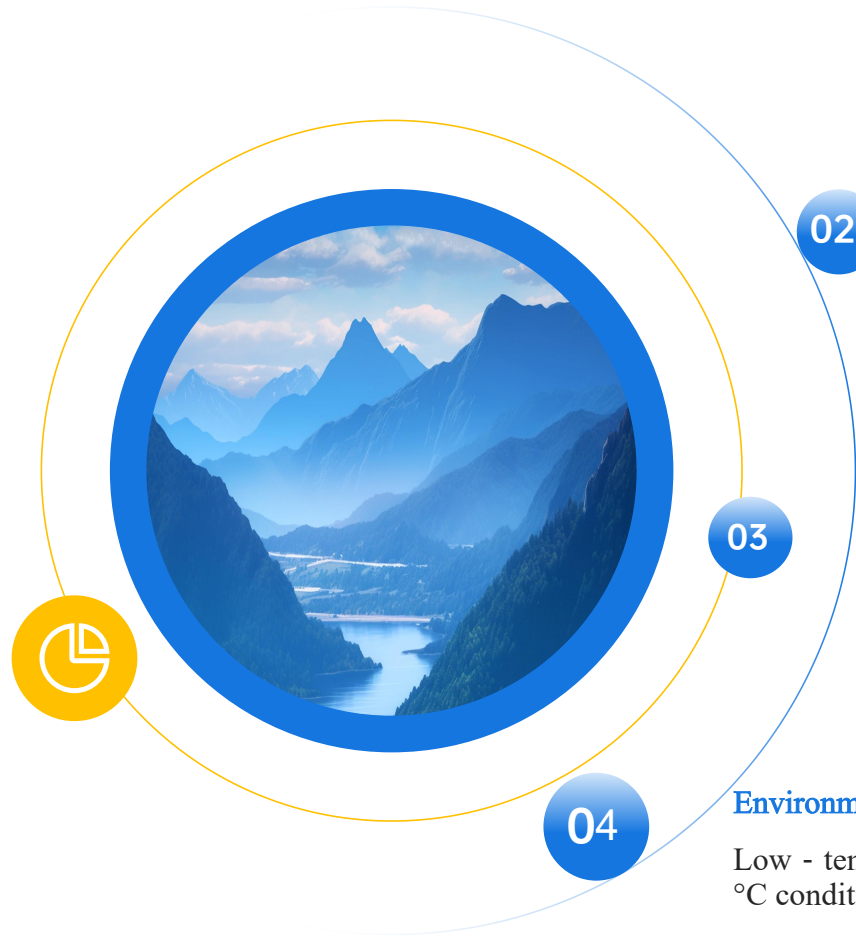


Testing Equipment and Data

The actual blasting pressure compliance rate is 100%, and the pulse test pass rate is 100%.

The test data is uploaded to the cloud in real time, allowing customers to view it at any time, thereby enhancing their trust in product quality.

>>>Quality Assurance



Raw Materials for Polyurethane Hoses

01

Raw materials are selected from Wanhua Chemical, a globally leading supplier of advanced new materials. Its virgin - grade materials such as PC, PA6 and PP are at the forefront of the industry in terms of performance, environmental - friendliness and stability.

Advanced High-pressure Hose Extrusion Equipment

02

Dual-machine collaborative extrusion combined with intelligent control ensures efficient and high-precision manufacturing; rigorous quality control is implemented throughout the entire process – from material plasticization to finished product inspection; Meets diverse multi-material and multi-pressure-class requirements with a short delivery cycle.

Performance Verification Test

03

Pulse testing: Simulates $\geq 500,000$ pressure cycles to verify the hose's fatigue resistance and the joint's sealing performance.

Burst pressure test: The measured burst pressure shall be ≥ 4 times the rated value to ensure safety redundancy.

Environmental Adaptability Test

04

Low - temperature impact test: Verifies flexibility under -40°C conditions to prevent brittle fracture.

>>>Quality Assurance

Raw Material Performance Test Report

Supplier qualification review:
Ensure that raw material suppliers (e.g., steel wire, rubber) hold ISO 9001 certification to guarantee material consistency.

Batch Traceability System

Record production data via the MES system to enable precise identification and recall of quality issues;

Dual Certification

Youlilai currently holds dual certifications: ISO 9001 (Quality Management System) and IATF 16949 (Automotive Industry Quality Management System).

Production Control

Strictly enforces the zero - defect target, and establishes a comprehensive quality - control network covering the entire process — from design through production to delivery — to ensure the product defect rate ≤ 50 ppm, reaching a leading standard in the automotive industry.

Inventory and Delivery Assurance

VMI Model: Shares demand planning with customers, establishes a dynamic safety - stock adjustment mechanism, and achieves an on - time delivery rate of $\geq 98\%$.

Full Value Chain Cost Reduction

Raw material suppliers are 100% certified under IATF 16949; critical components (e.g., sealing rings) are sourced through the same supplier network as Shaanxi Automobile Group to ensure compatibility;

>>>Quality Assurance

Engineering Drawings Review



Raw material hardness testing



Dimensional inspection



Joint Detachment Force Testing



Salt spray test



2D image measurement



>>>Quality Assurance

Air tightness test



Hydraulic test



Water pressure test



Blasting Pressure Test



ultrasonic cleaning



Digital Display Mirror Inspection



>>>Contact Information



01 general manager: Li Yang
M o b : 13774955533
Email: liyang@yllxs.com

02 Customer Manager: Chen Dingxiang
M o b : 18153499915
Email: chendingxiang@yllxs.com



2026



Thank you all!

Specializing in high-performance fluid transport

Speaker: Chen Dingxiang

Reporting date: May 19,2026