

COMPANY PROFILE

Valves for critical solutions

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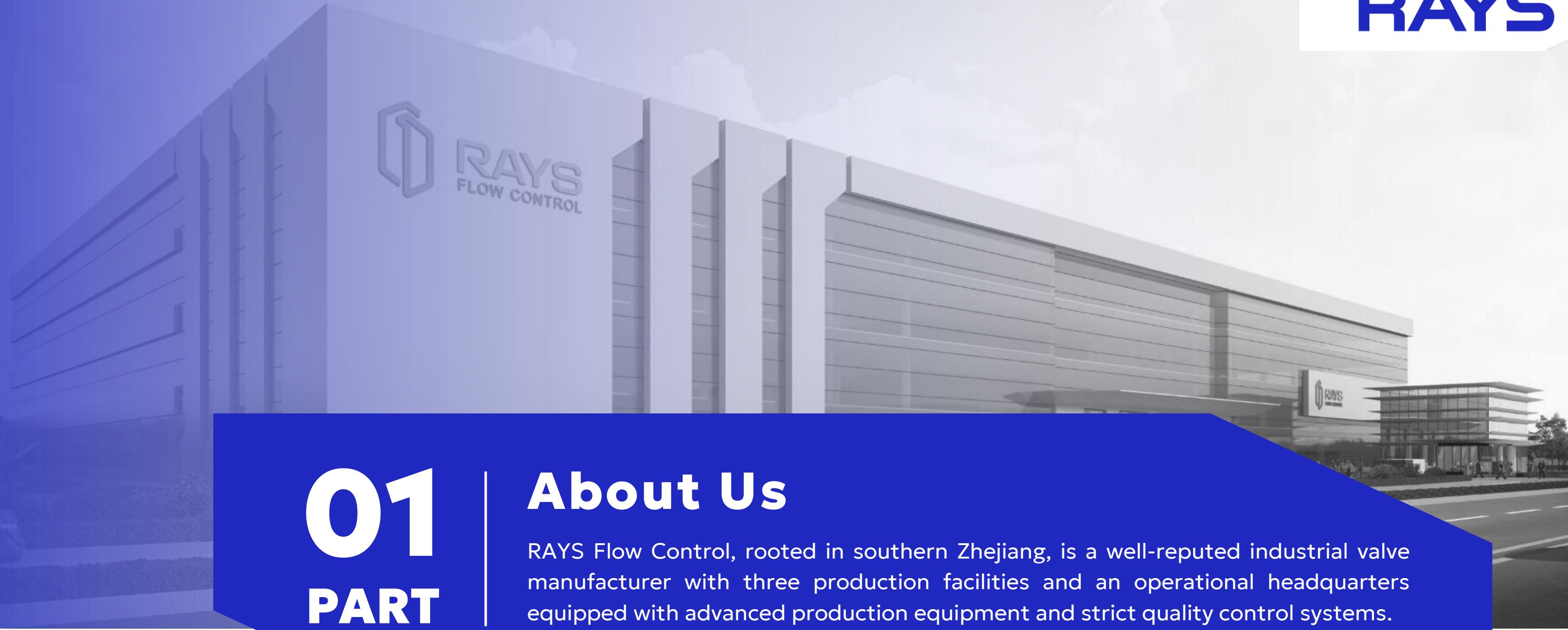
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01 PART

About Us

RAY'S Flow Control, rooted in southern Zhejiang, is a well-reputed industrial valve manufacturer with three production facilities and an operational headquarters equipped with advanced production equipment and strict quality control systems.

Company Culture

MISSION

Serving the extreme conditions for a better world

GOAL

Create a leading brand and achieve the future of the team

VALVE

Integrity Ingenuity
Collaboration
Efficiency

Global Network

Beta Production Facility ·
Yunhe



Gamma Production Facility ·
Yunhe



Partnership

SIBUR



HYUNDAI
ENGINEERING CO., LTD.

Air Liquide
creative oxygen

GAZPROM NEFT

TechnipFMC

DISTRIBUTION
NOW

ptt

SAMSUNG HEAVY INDUSTRIES

ExxonMobil



PETRONAS



TOTAL



02 PART

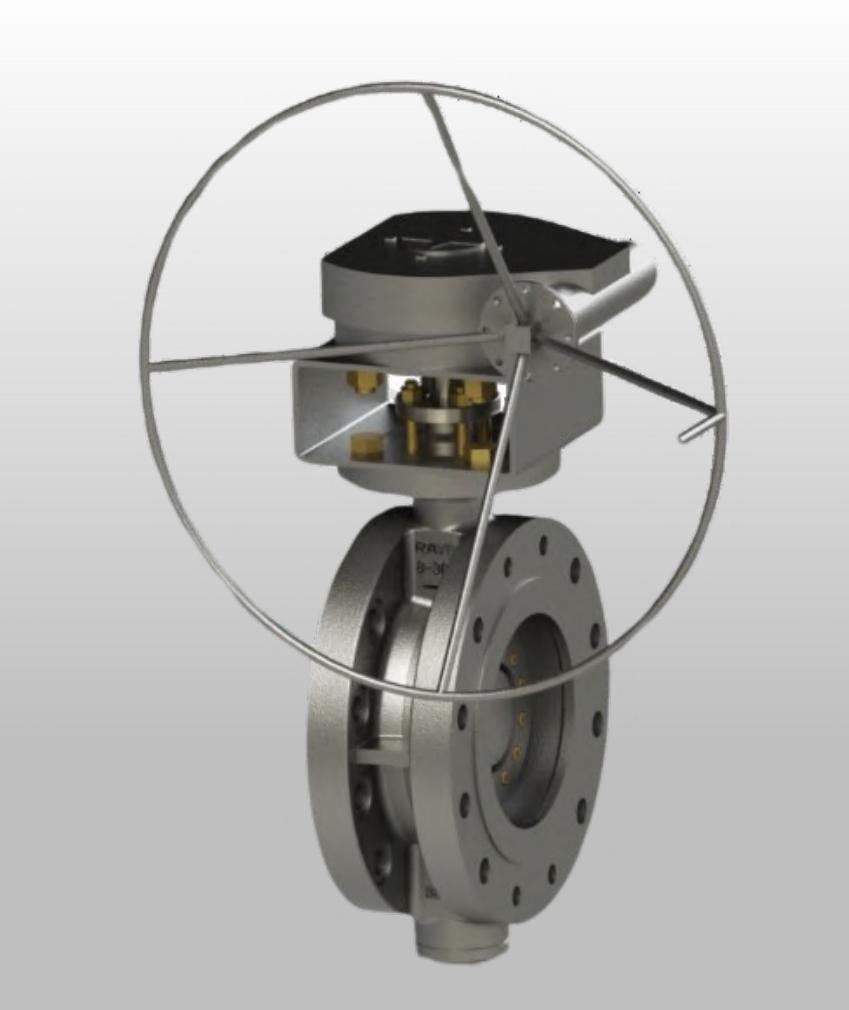
Product & Application

Butterfly Valve

**Triple Eccentric
Butterfly Valve**



**Double Eccentric
Butterfly Valve**



**Concentric
Butterfly Valve**

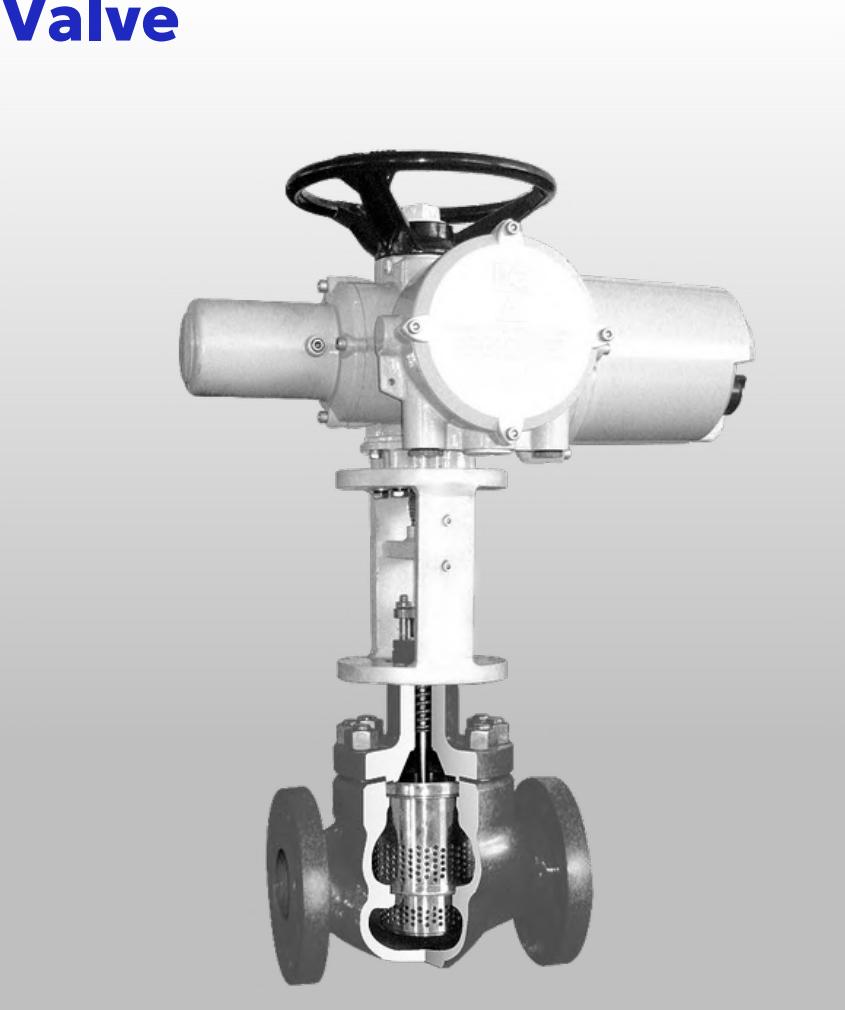


Control Valve

**Pneumatic O-type
Ball Valve**



**Pneumatic Low-Noise
Cage Guided Control
Valve**



**Low-Noise Cage
Guided
Control Valve**

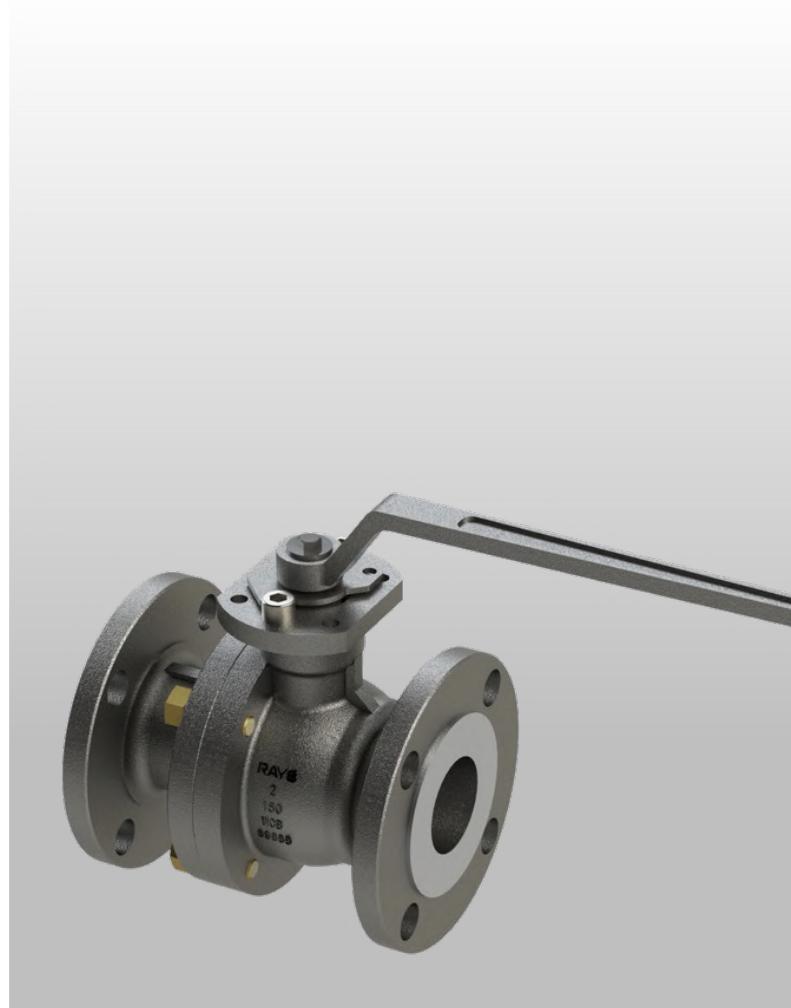


Ball Valve

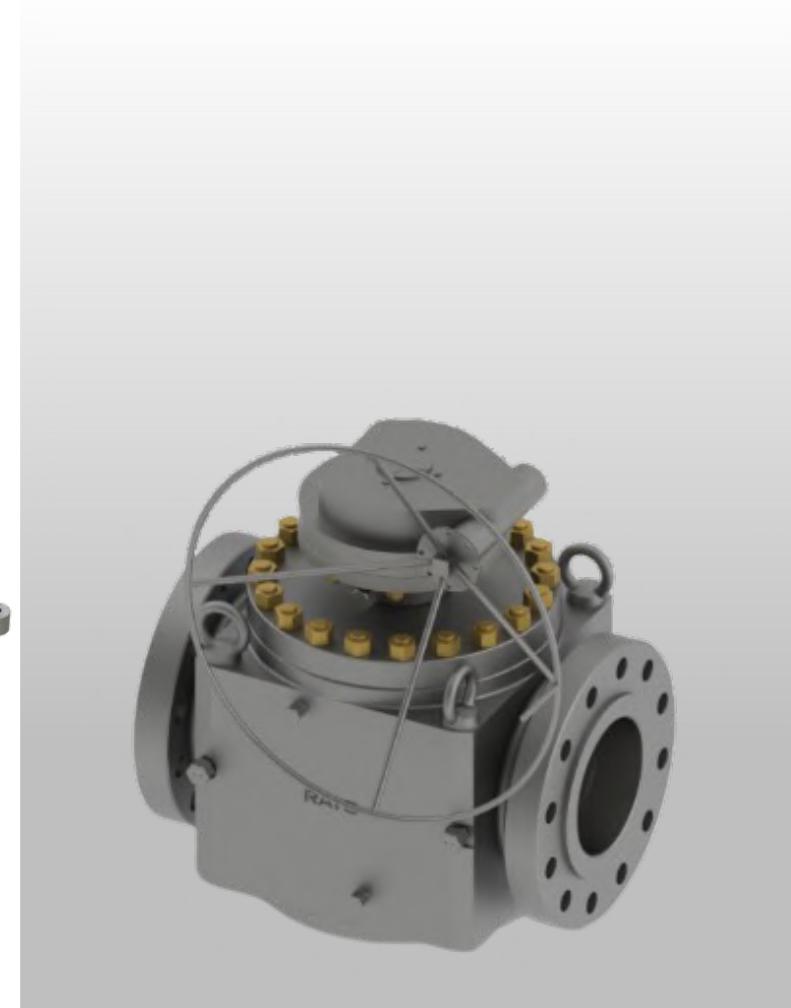
**Fully Welded
Ball Valve**



**Side Entry Floating
Ball Valve**



**Top Entry
Ball Valve**

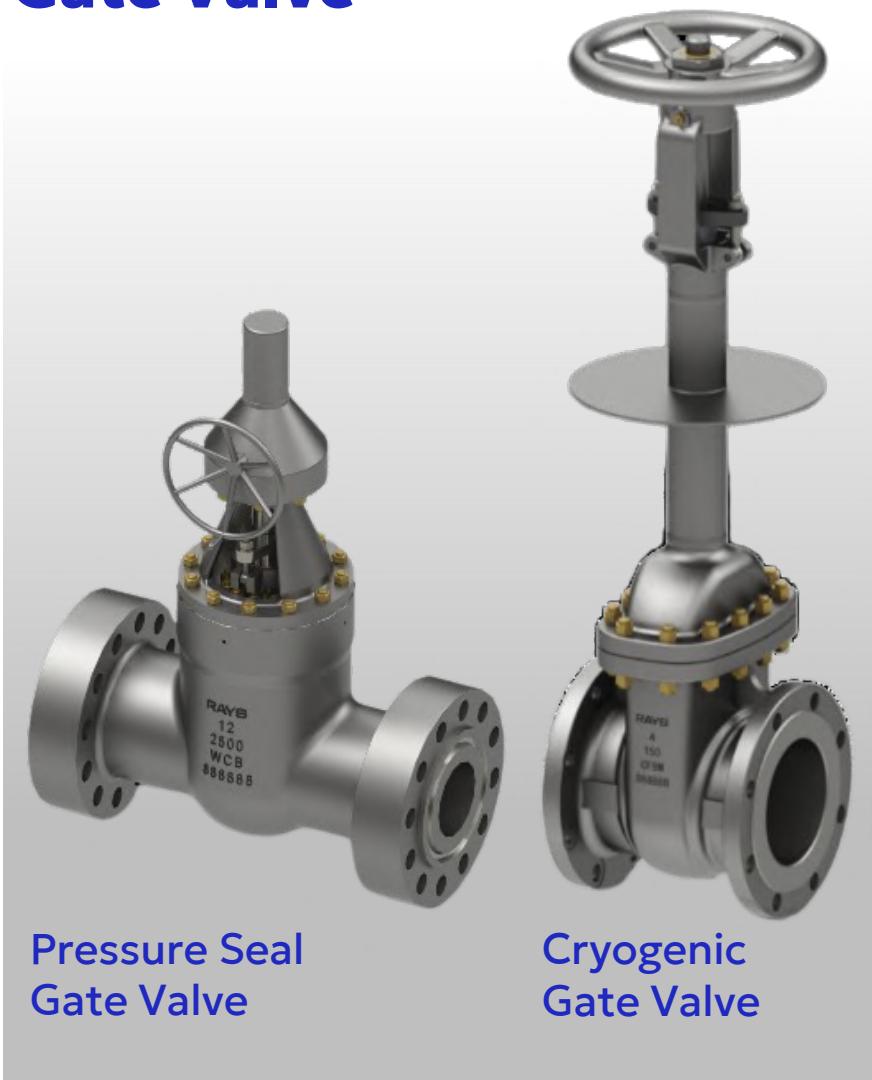


**Cryogenic
Ball Valve**



Universal GGC Valve

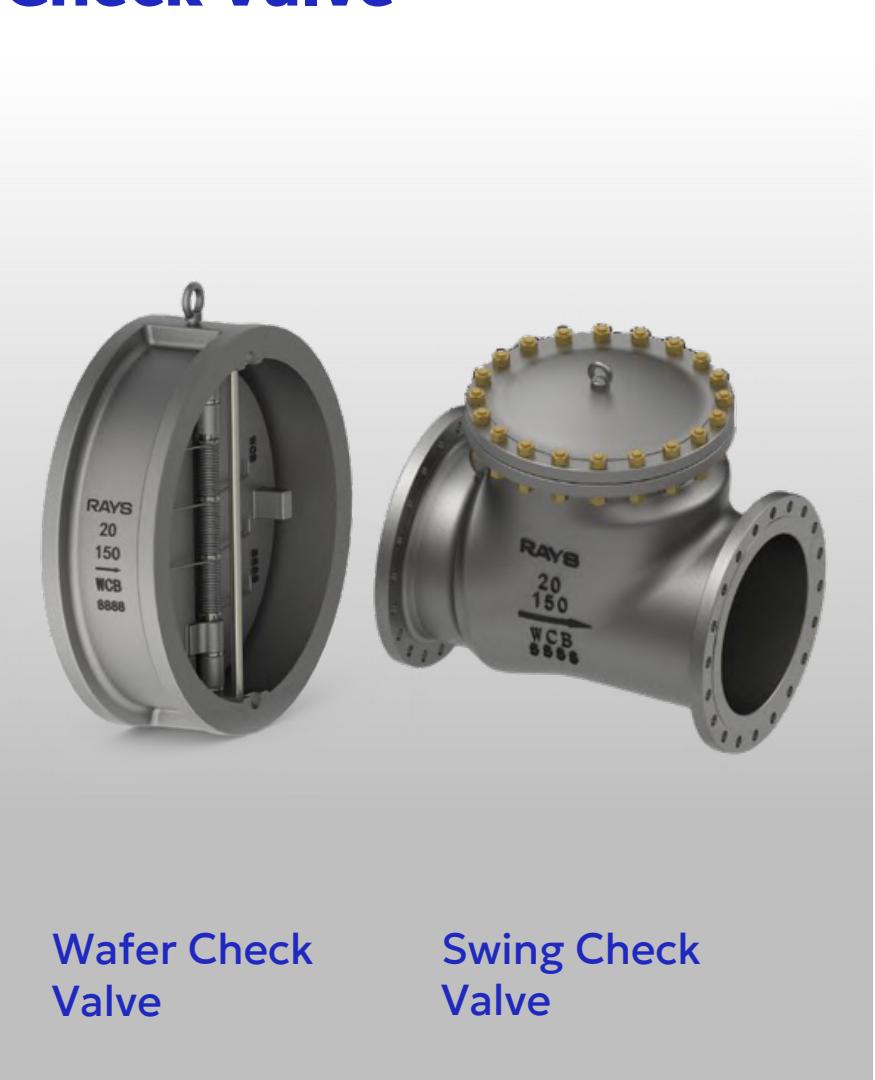
Gate Valve



Globe Valve



Check Valve



Special Valve

PDS Ball Valve



**Rising Stem
Ball Valve**



**Cracked Gas
Valve**



Blind Valve



C-type Ball Valve



Customize Production

RAYS supports fully customized design and production.

Special Materials

Special Structures

Special Conditions

API / ANSI / ASME / DIN / BS / GOST / GB and more
customized services

Type: Carbon Steel/ Alloy Steel/ Stainless Steel/ Duplex
Stainless Steel/ Special Alloy Steel

Process: Casting / Forging / Bar

Size: 1/2"- 120"(DN 15 - DN 3000)

Pressure: 150# - 4500# (PN 6 - PN 760)

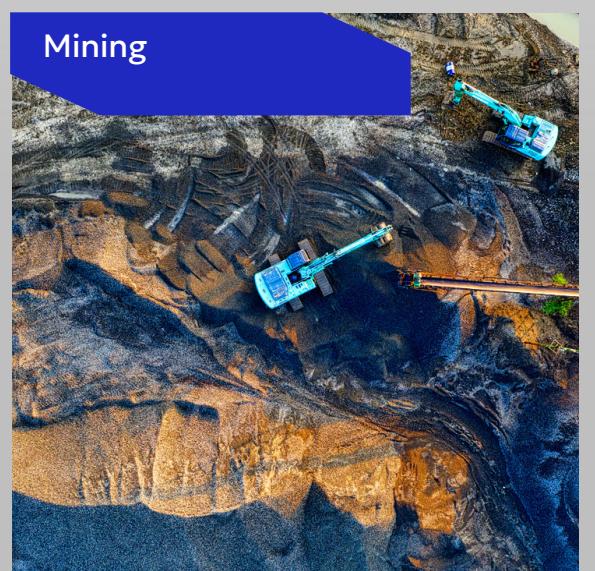
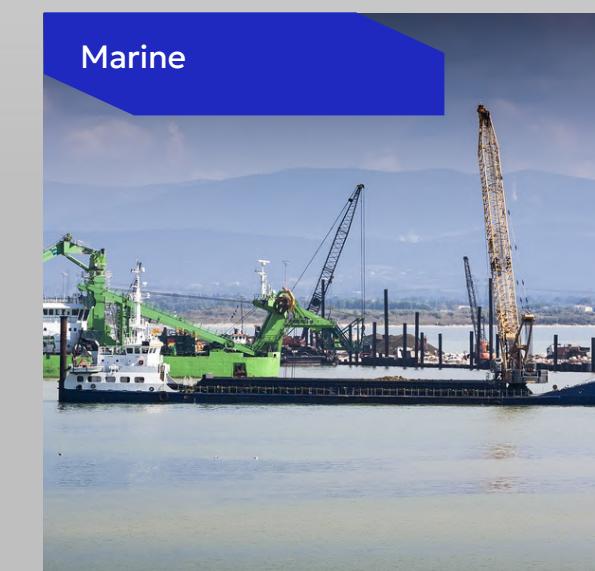
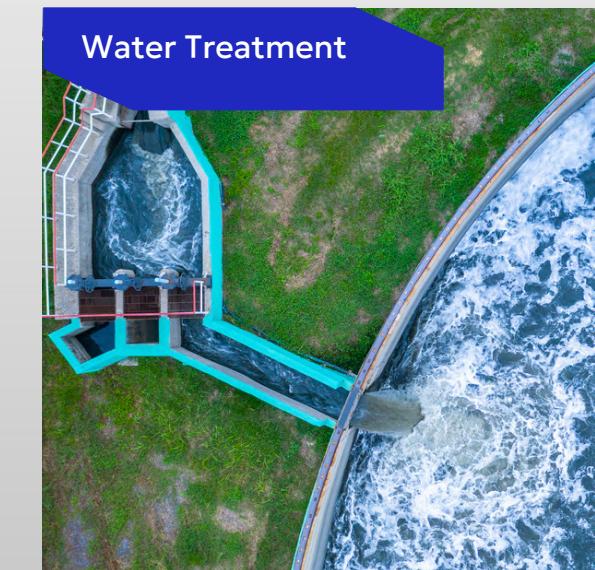
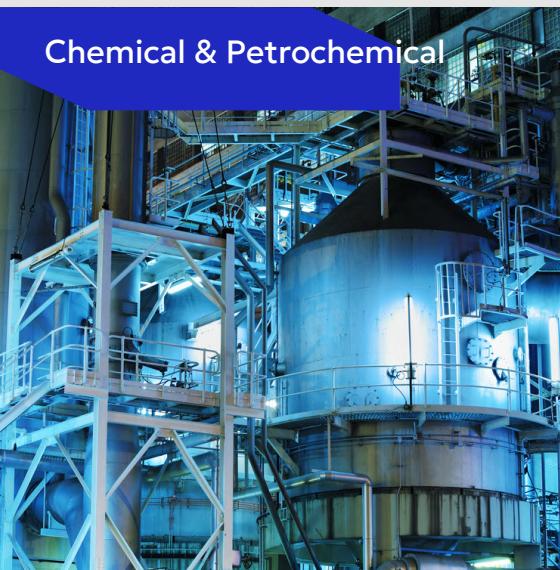
*Valves come in various types and have different sizes and pressure ranges.

Industry Standard

Materials

Size and Pressure

Application



03
PART

Manufacturing

R&D Capabilities

Design Development

- 3D Modeling
- Computational Fluid
- Dynamics Simulation(CFD)
- Finite Element Analysis(FEA)

Empowered by  **SOLIDWORKS**

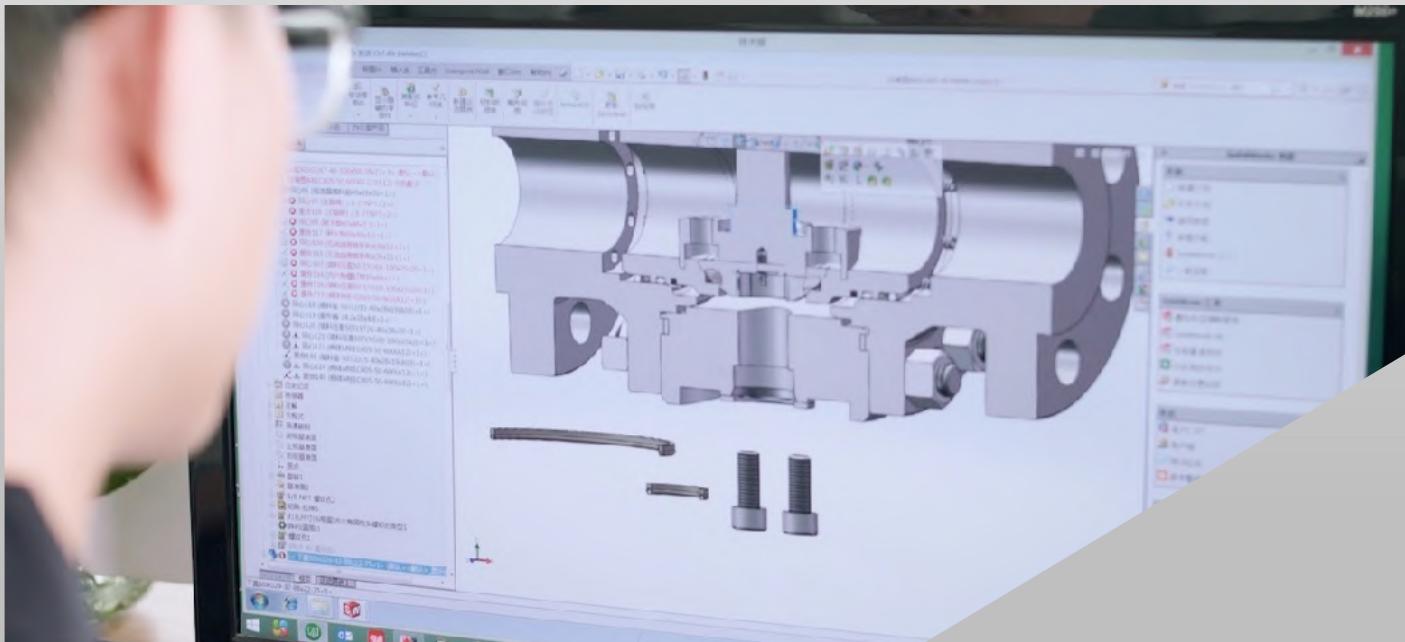
R&D Team

- Over 20% R&D technicians in the RAYS Team
- AutoCAD and Solid works for all design process
- PLM for further data storage
- Commitments on operational efficiency



R&D Capabilities

3D Design



Prototype Technical Review



R&D Capabilities



RAYS and the Hefei Institute of Physical Sciences agreed to cooperate in the field of cryogenic valves in March 2019, following an "industry-university-research" approach.

Chinese Academy of Sciences RAYS Flow Control

01

Relevant scientific
and technological
project research

02

Research and
development of new
cryogenic valve
materials (-268.9 °C)

03

Development and
application of
cryogenic valve
technology

Standard Test



PMI Inspection

RAY'S strictly follows ISO 9001 and higher standards to ensure the highest product quality.

Standard Test



CMM



Fugitive
Emission Test



Large Diameter
Pressure Test



Ultrasonic Non-
Destructive Test



Stretching Test



Impact Test

Standard Test



On/ Off Cycling
Test for RSBV
10,000 Times



Cryogenic
Test



High Temperature
Test



High Temperature
Test for RSBV
362° C



High Pressure Gas
Test

Qualification

Production Qualification

- █ ISO 9001: 2008
- █ ISO 14001: 2004
- █ ISO 45001: 2018
- █ EAC (CU-TR)
- █ API 609
- █ API 6A
- █ CE-PED (MODULE H)
- █ TS (A1)
- █ API 6D
- █ API 600
- █ API 602



Product Type Testing

- █ API 607
- █ API 6FA
- █ API 624
- █ SIL (Safety Integrity Level)
- █ ISO 15848-1 (Class A CO1)
- █ TA-LUFT

* API 607 fire protection certificate covers the full diameter and pressure of ball valves

* Low leakage A Class



RAYS Alpha Production Facility

- FMS Lines (7/24 Unattended)
- Dust-free Clean Assembly & Testing Workshop
- Large Mill & Drilling Machining Center
- Intelligent Warehouse
- Large Horizontal Boring & Milling Machining Center
- Vertical Turning CNC Lathe (5M in Diameter)
- 50-ton Gantry Crane
- Up to 120-inch Pressure Test Machine
- Coordinate Measuring Machines(CMM)



Alpha Production Facility Wenzhou (U/C)

Production Management

Workshop Production Implements 6S Management



Manufacturing Processes



Production Equipment



Vertical/ Horizontal
Machining Center



Automated Production
Line



Dust-Free Clean Room
(100K Class)



Gantry Machining
Center



Automatic Welding Machines

Why Choose Us?

RAYS offers affordable, high-quality, and reliable products through cost-saving measures and efficient processes, giving them a competitive advantage.

RAYS Advantages

- Well Performed Equipments
- Qualifications and Experiences
- R&D Capabilities
- Digital Operations
- Customer Services



04
PART

Digital Operations

Digital Operations

We believe that the art of fluid control lies not only in precision, but also in wisdom.

By integrating various system platforms, we digitize project details and achieve seamless integration of the entire process from design to delivery. Tracking in real time, challenging innovation, and staying ahead of the curve, RAYS is always committed to becoming a digital manufacturer.

We use:

PLM
Product Lifecycle Management

ERP
Enterprise Resource Planning

OA
Office Automation

CRM
Customer Relationship Management

MES
Manufacturing Execution Systems



Enterprise Resource Planning

Empowered by

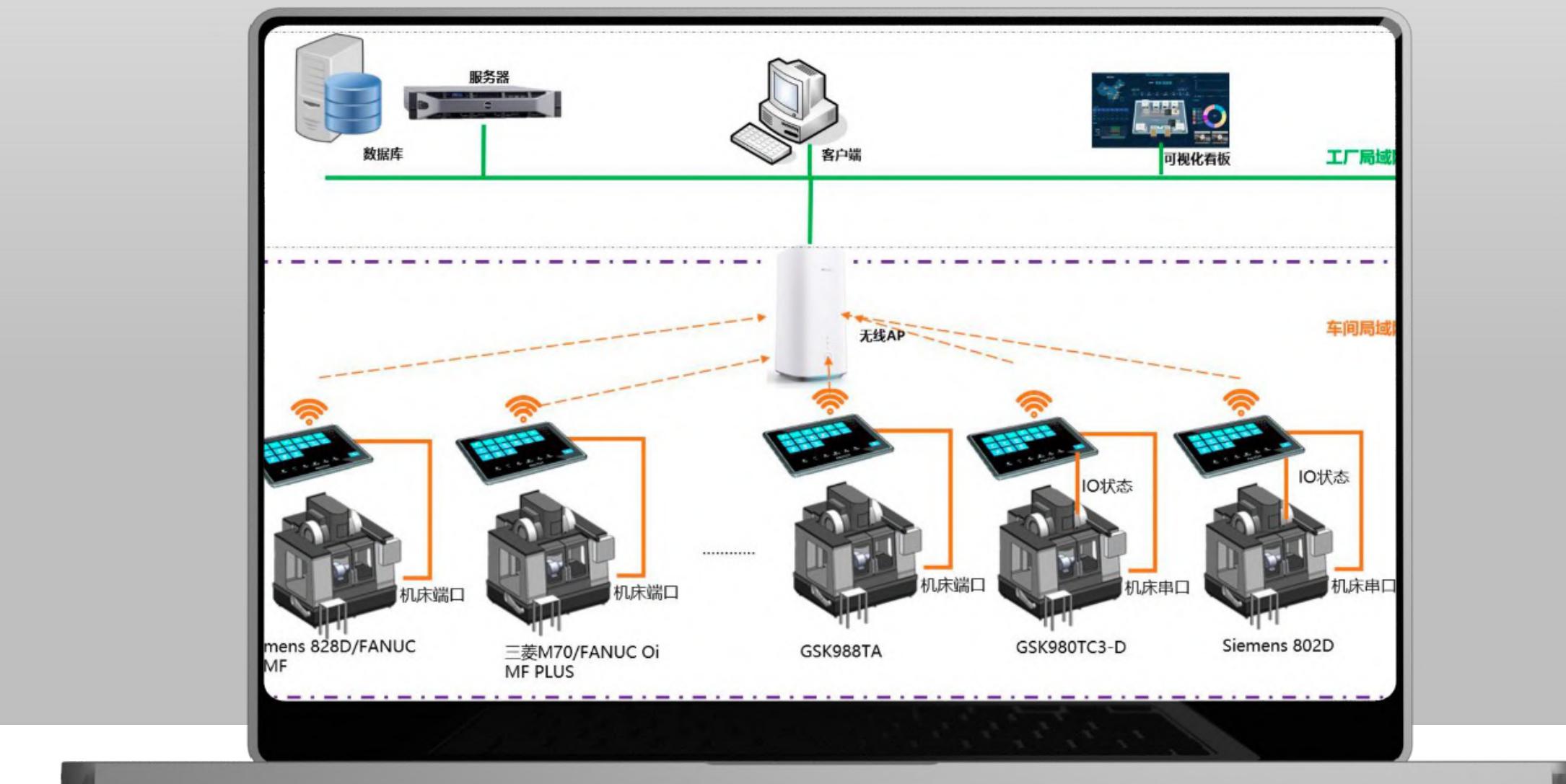
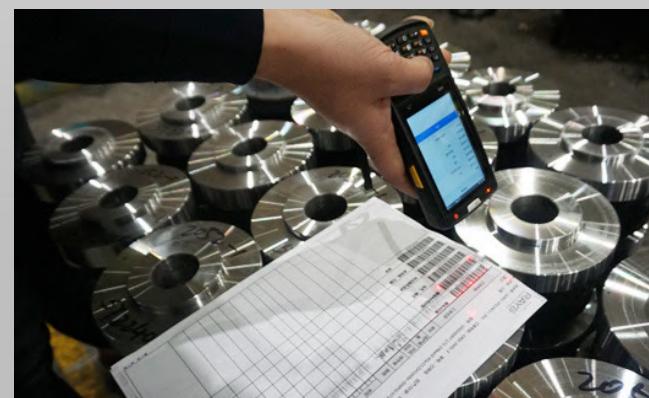


- ERP integrates all business processes incl. Procurement, Inventory, Production, Sales and Finance
- Cost Control Precisely
- Predictable Business Opportunities
- Standard Operating Procedures
- Ensuring service for complexity of large-scale engineering projects



Manufacturing Execution Systems

- MES (Manufacturing Execution System) and DNC (Direct Numerical Control) for modern manufacturing
- Traceable whole production process by simply scanning the code



Product Lifecycle Management

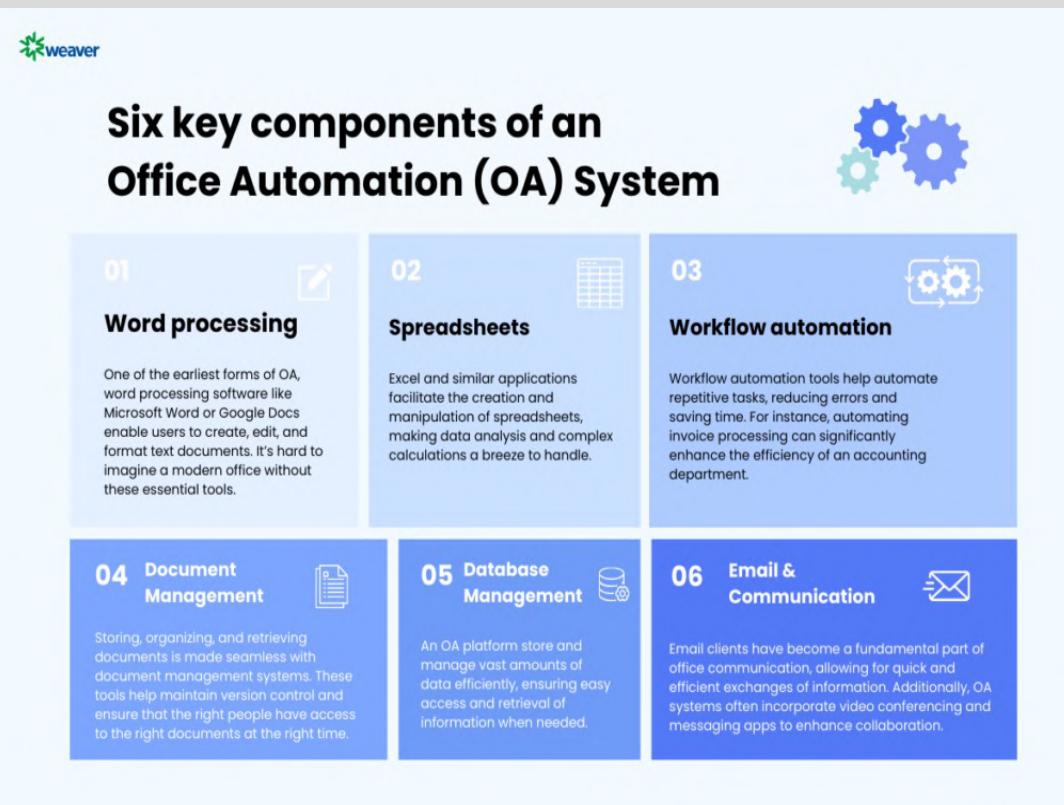
Empowered by **SIEMENS**

- Teamcenter by SIEMENS for Product Lifecycle Management
- Simply integrates all information into one centralized system
- Maximize productivity and streamline operations
- Delivering complex products



Office Automation

Empowered by 
A Leading Digital Collaboration Platform



Six key components of an Office Automation (OA) System

- 01 Word processing**
- 02 Spreadsheets**
- 03 Workflow automation**
- 04 Document Management**
- 05 Database Management**
- 06 Email & Communication**

One of the earliest forms of OA, word processing software like Microsoft Word or Google Docs enable users to create, edit, and format text documents. It's hard to imagine a modern office without these essential tools.

Excel and similar applications facilitate the creation and manipulation of spreadsheets, making data analysis and complex calculations a breeze to handle.

Workflow automation tools help automate repetitive tasks, reducing errors and saving time. For instance, automating invoice processing can significantly enhance the efficiency of an accounting department.

Storing, organizing, and retrieving documents is made seamless with document management systems. These tools help maintain version control and ensure that the right people have access to the right documents at the right time.

An OA platform stores and manages vast amounts of data efficiently, ensuring easy access and retrieval of information when needed.

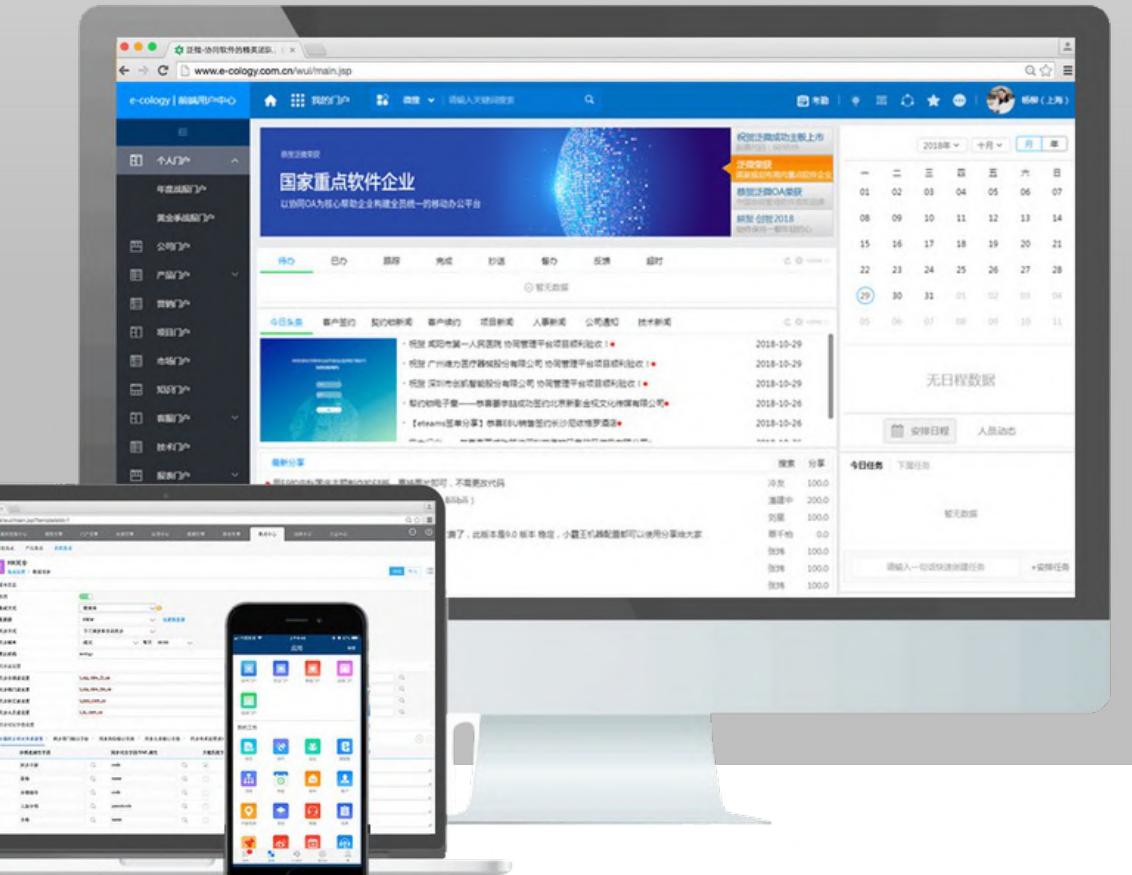
Email clients have become a fundamental part of office communication, allowing for quick and efficient exchanges of information. Additionally, OA systems often incorporate video conferencing and messaging apps to enhance collaboration.

www.raysvalve.com

Paperless Office Automation System

Digitalize Operation Management

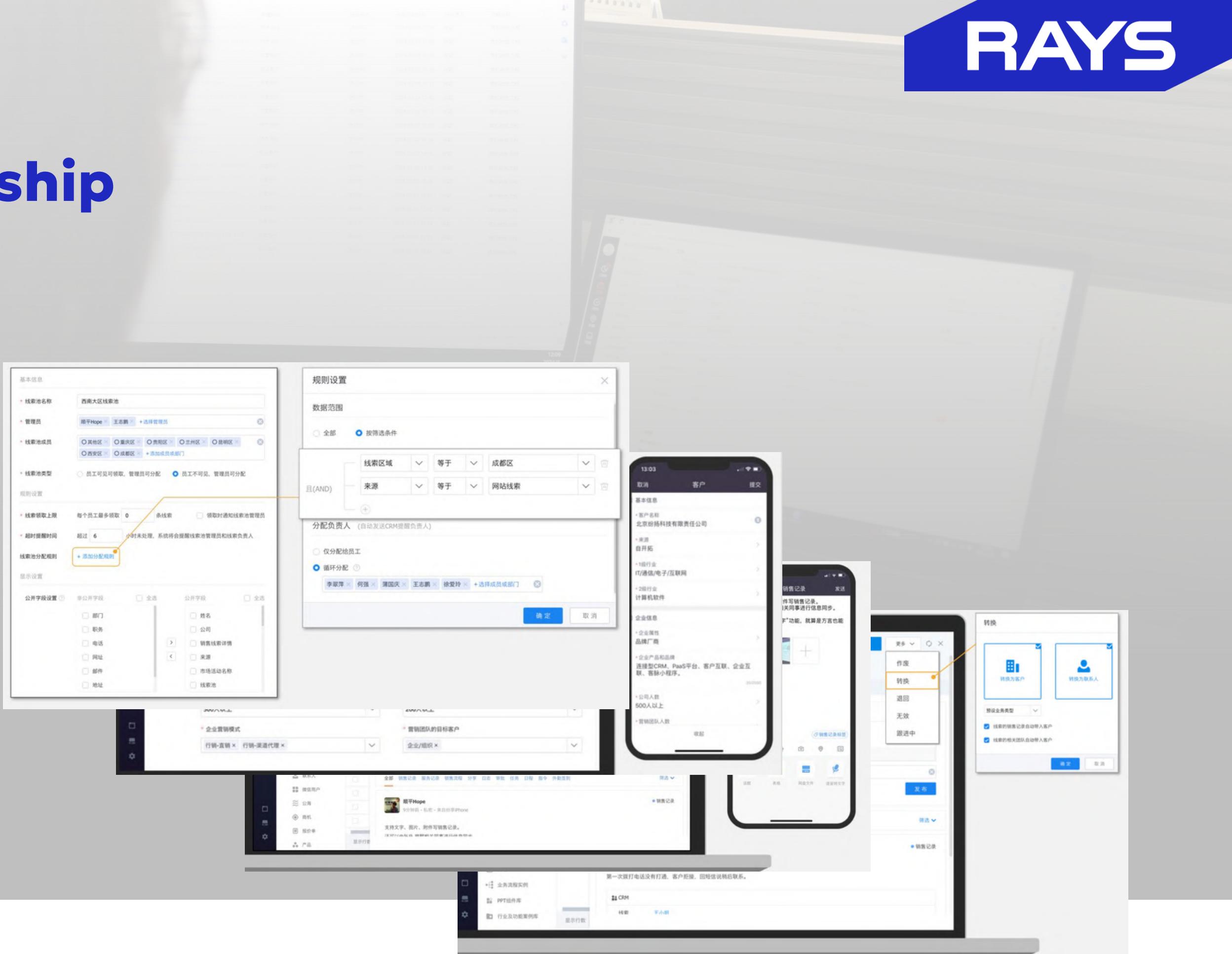
Realized intelligence, collaboration and efficiency



Customer Relationship Management

Empowered by  ShareCRM
Connect to Grow

- Digital management of customers' full lifecycle through CRM
- Auto-Assignment Rules
- Customer Management
- Recording Leads to Conversions



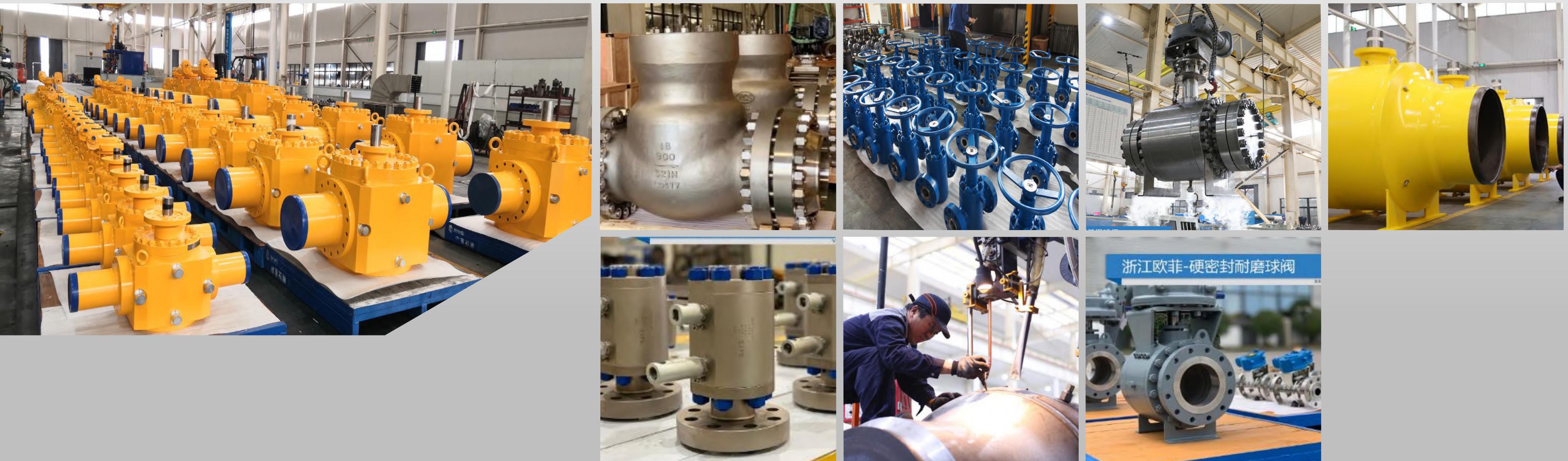
05
PART

Product Gallery

Product Gallery



Product Gallery



RAY'S



RAY'S LinkedIn



Official Website



RAY'S YouTube