C H Tan – Business Dev Director

BJVP Blending Technology

Beijing VP Co.,Ltd.

VP
High Technology

Company Profile

Company Profile

VP
High Technology

About us

Beijing VP Co.,Ltd has a headoffice in Beijing.
The factory is located in Wen'an Economic Development Zone, Xiong'an New Area, Hebei Province, covering an area of 40 acres.

The company has technical development, production, assembly, and testing capabilities, with more than 50 patented technologies and has won multiple awards.

Our company has offices in Singapore, Hong Kong and other places, as well as agents and customers in the Asia Pacific region, Middle East, Central Asia, Eastern Europe and other regions.

Production Facility

BJVP Production Facility with Machine Tools and various type of Equipment for complex machining and fabrication

Testing Facility

Testing Facility for Pump, Pig Launcher, Pig Receiver, T-Valve, Middle Station, Manifold and Drum Decanting Unit

Control Test Center

Software Development and Test Center

BJVP control center is equipped with a comprehensive set of software and hardware for DCS control, where control systems are tested before shipment.
Remote Control service and support is available to the customers.

PATENT

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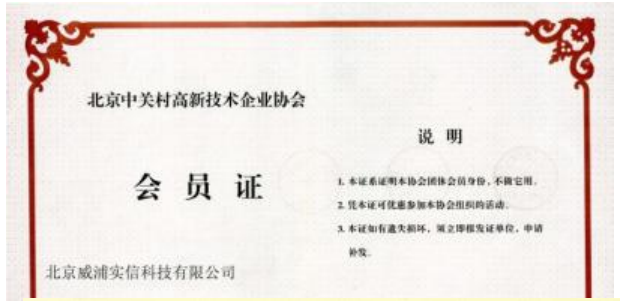

BJVP Product Overview

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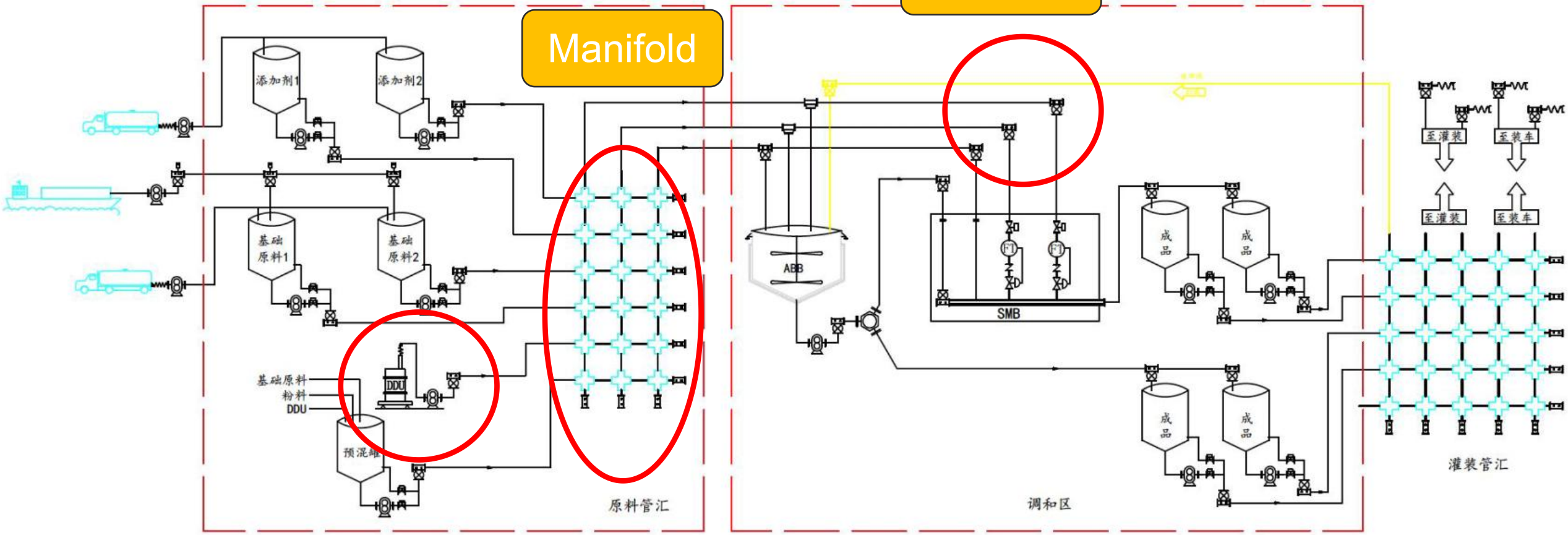
Pigging

Manifold



DDU

BJVP Product Overview

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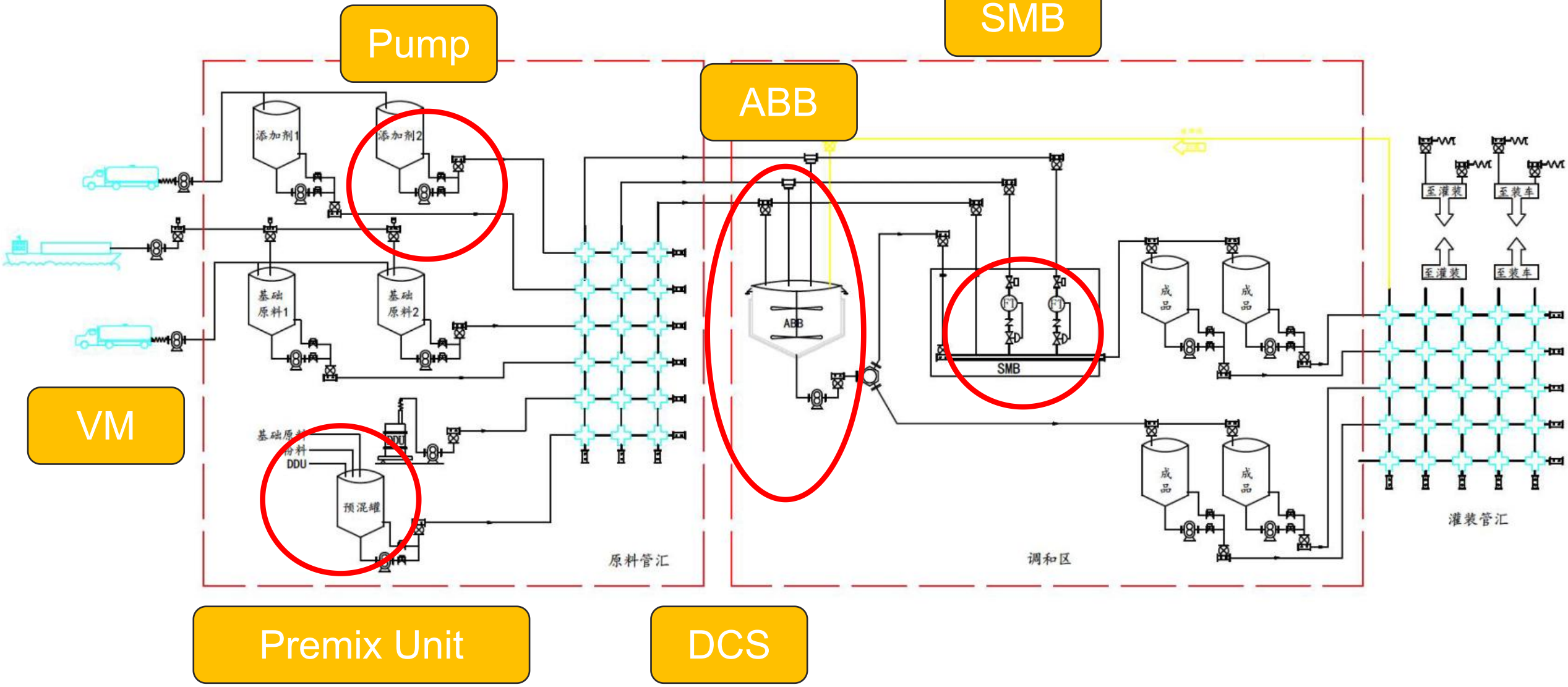
Pump

SMB

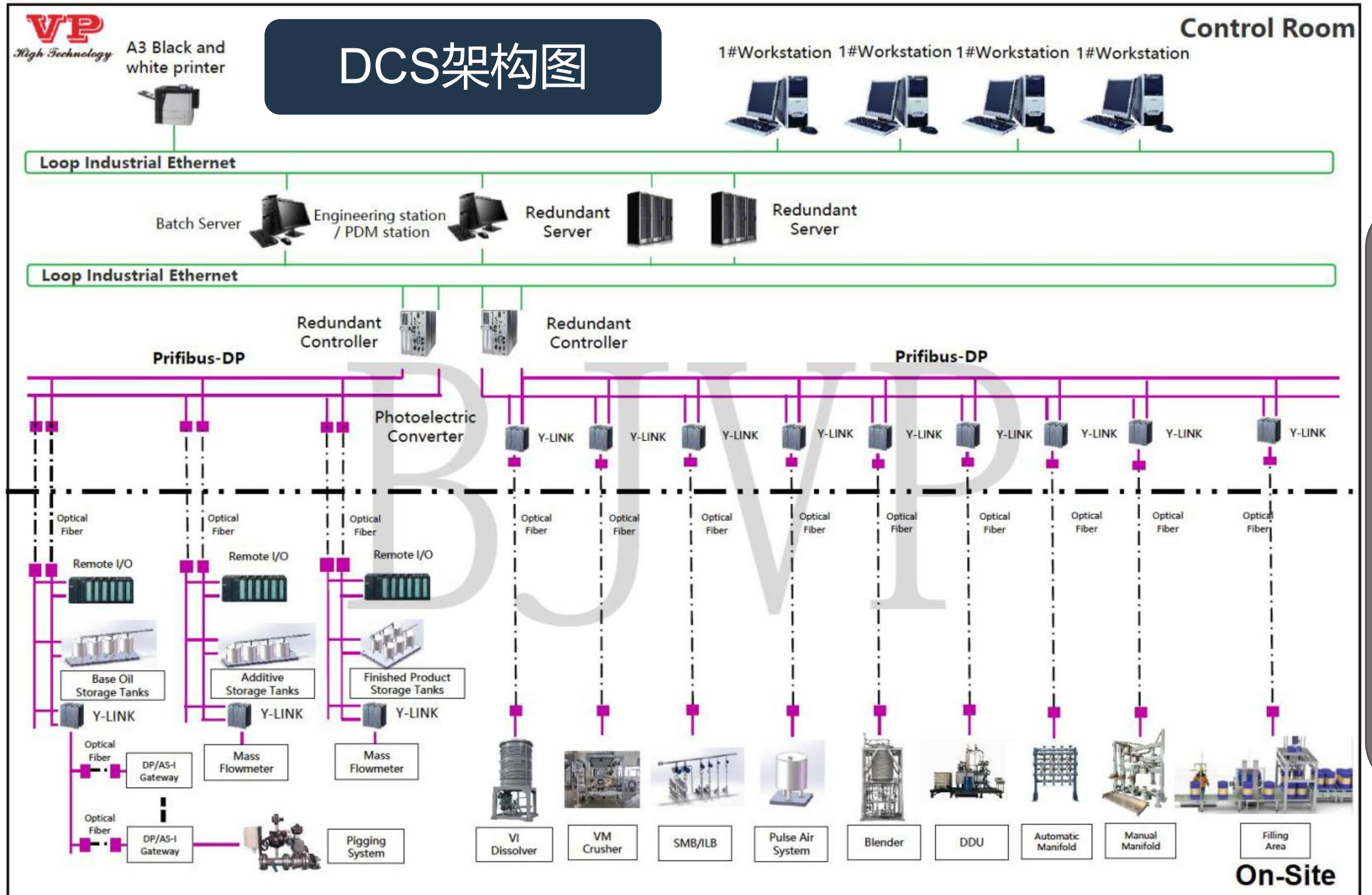
ABB



VM

Premix Unit

DCS



VP High Technology

BJVP DCS System Topology

Pigging System

VP High Technology

Function of a Pigging System

Clean up the remaining liquid in pipeline

No cross contamination when transferring different liquids

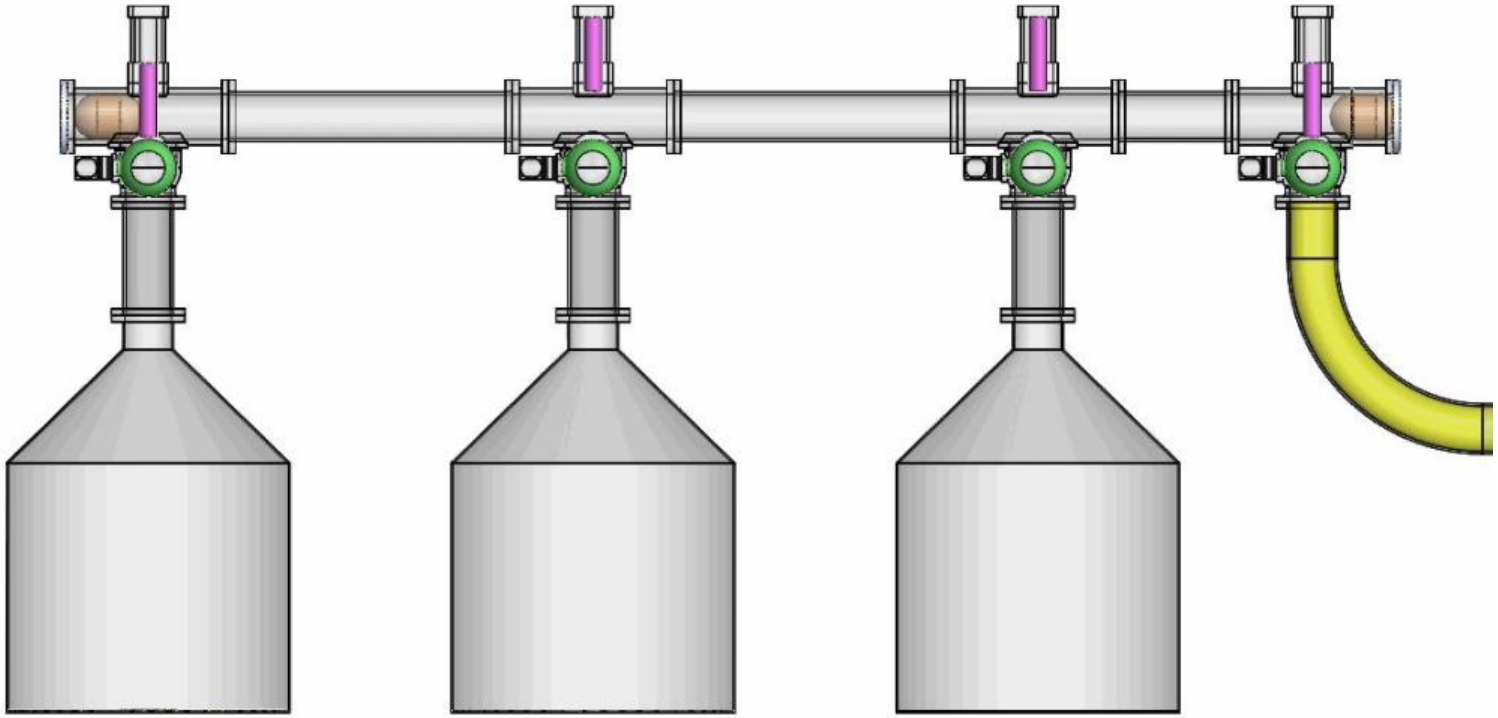
The pigging system can be controlled automatically

When the liquid transfers through the main pipe, the remaining liquids can be swept to any designated branch pipe so that the cross contamination will be avoided

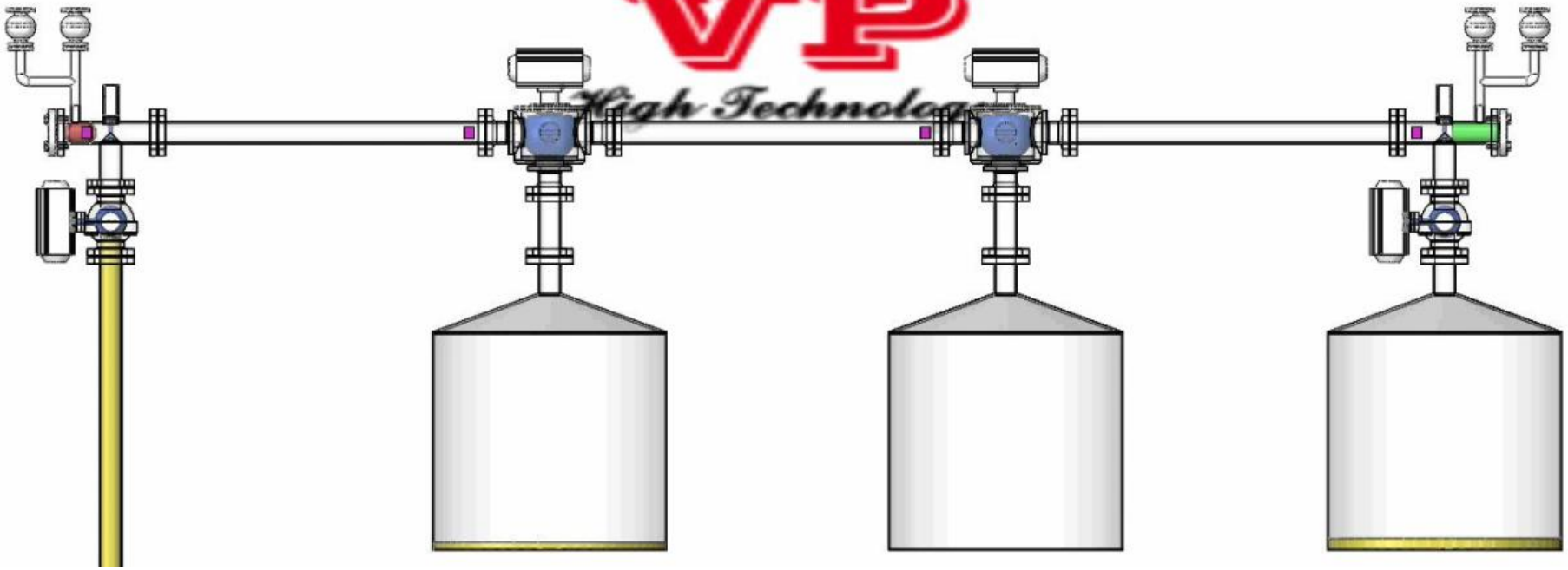
Easy to operate, capable of adaption.

Widely used in the field of lube oil, additives application.

VP Pigging Principal



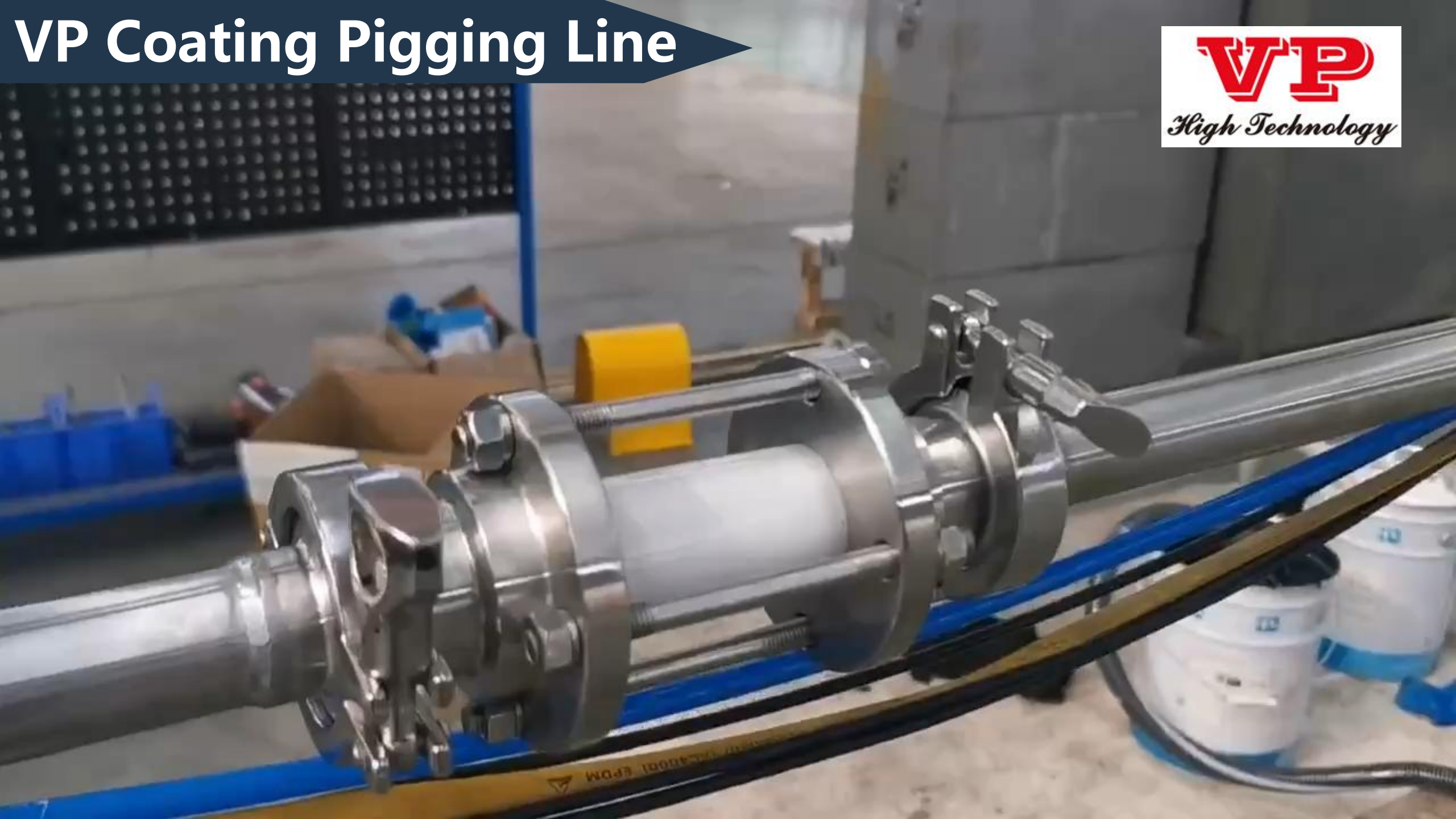
VP Pigging Demo-T Valve



VP Pigging Line

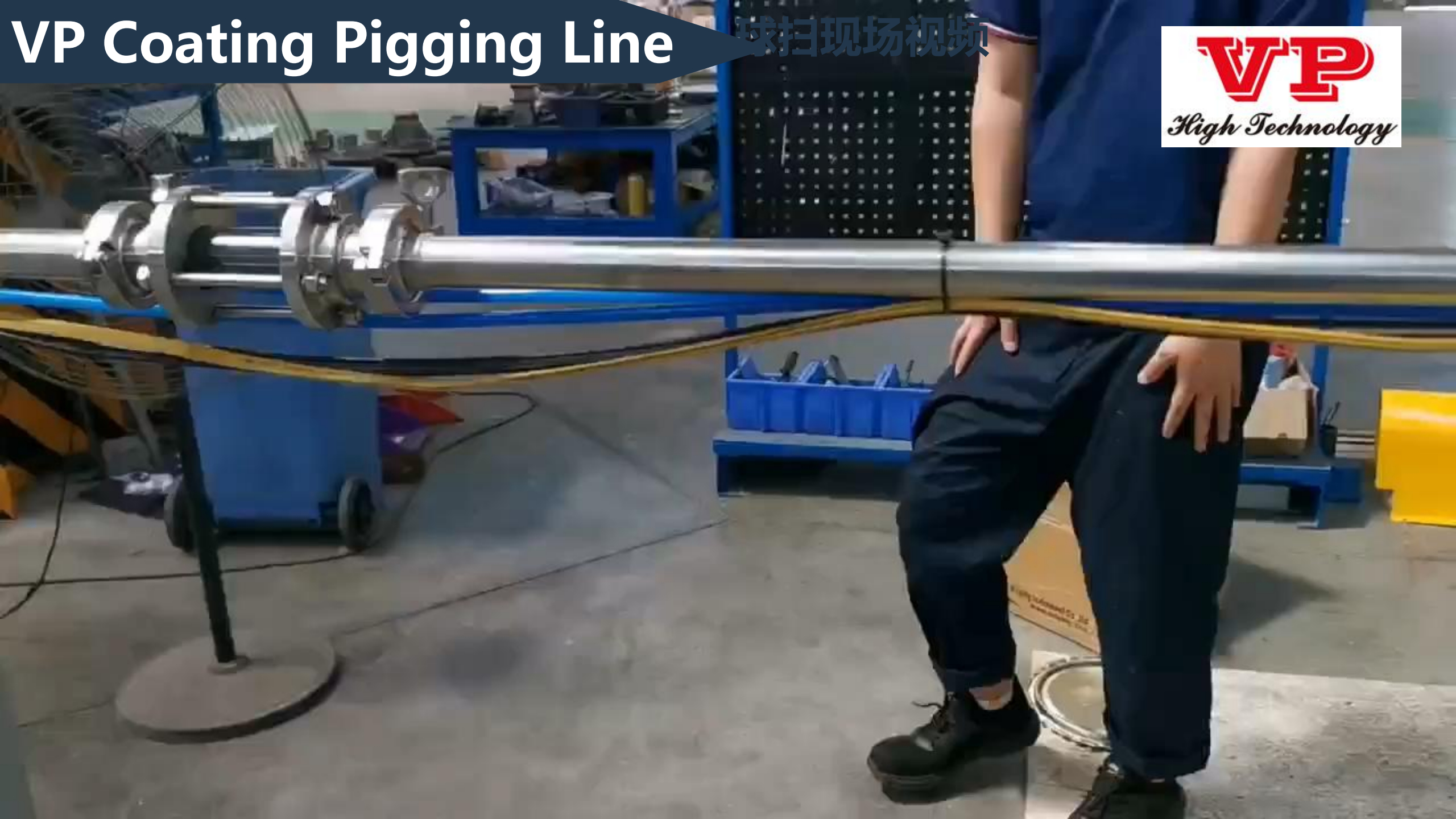
球扫现场视频

VP Coating Pigging Line

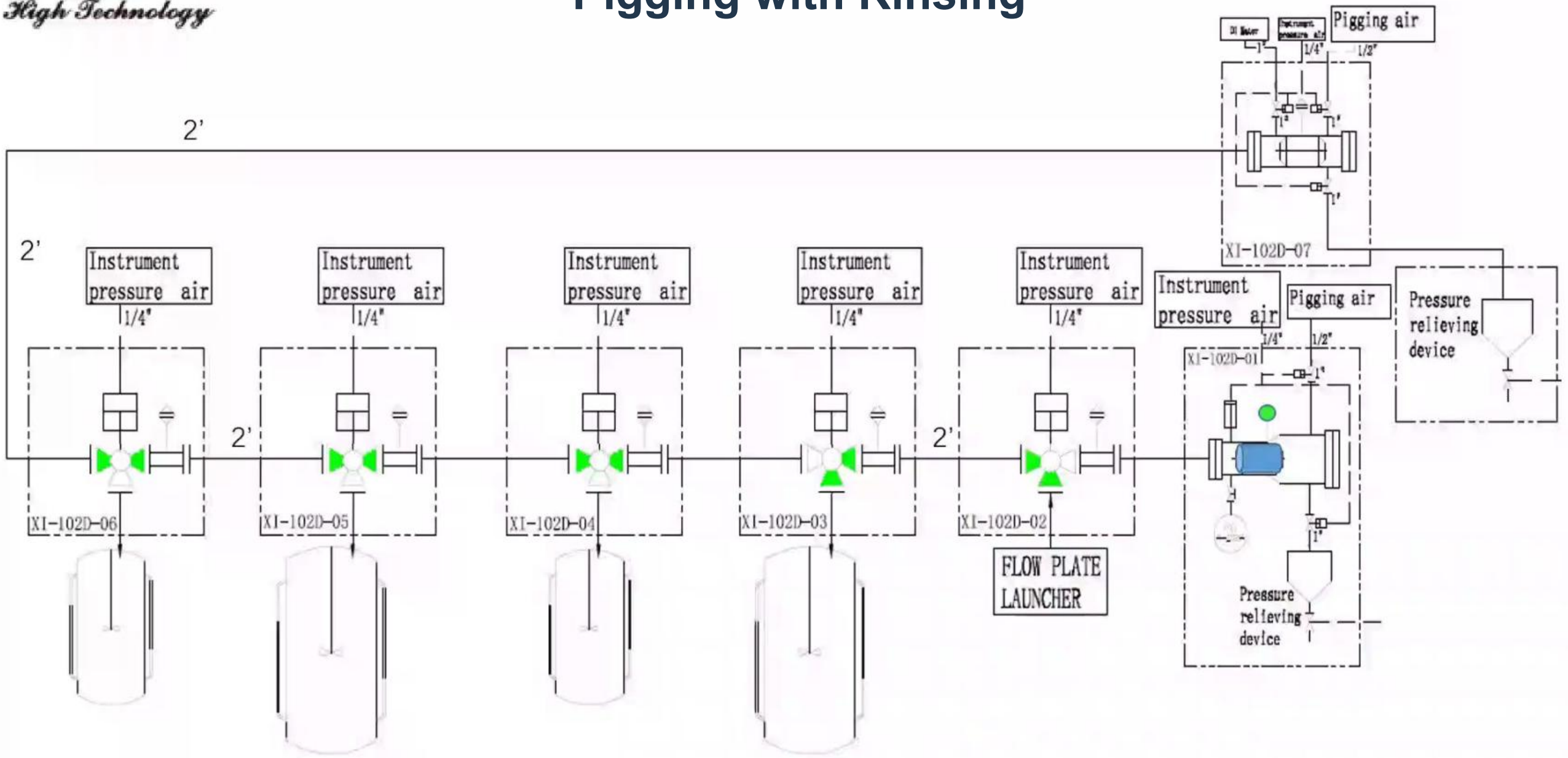


VP Coating Pigging Line

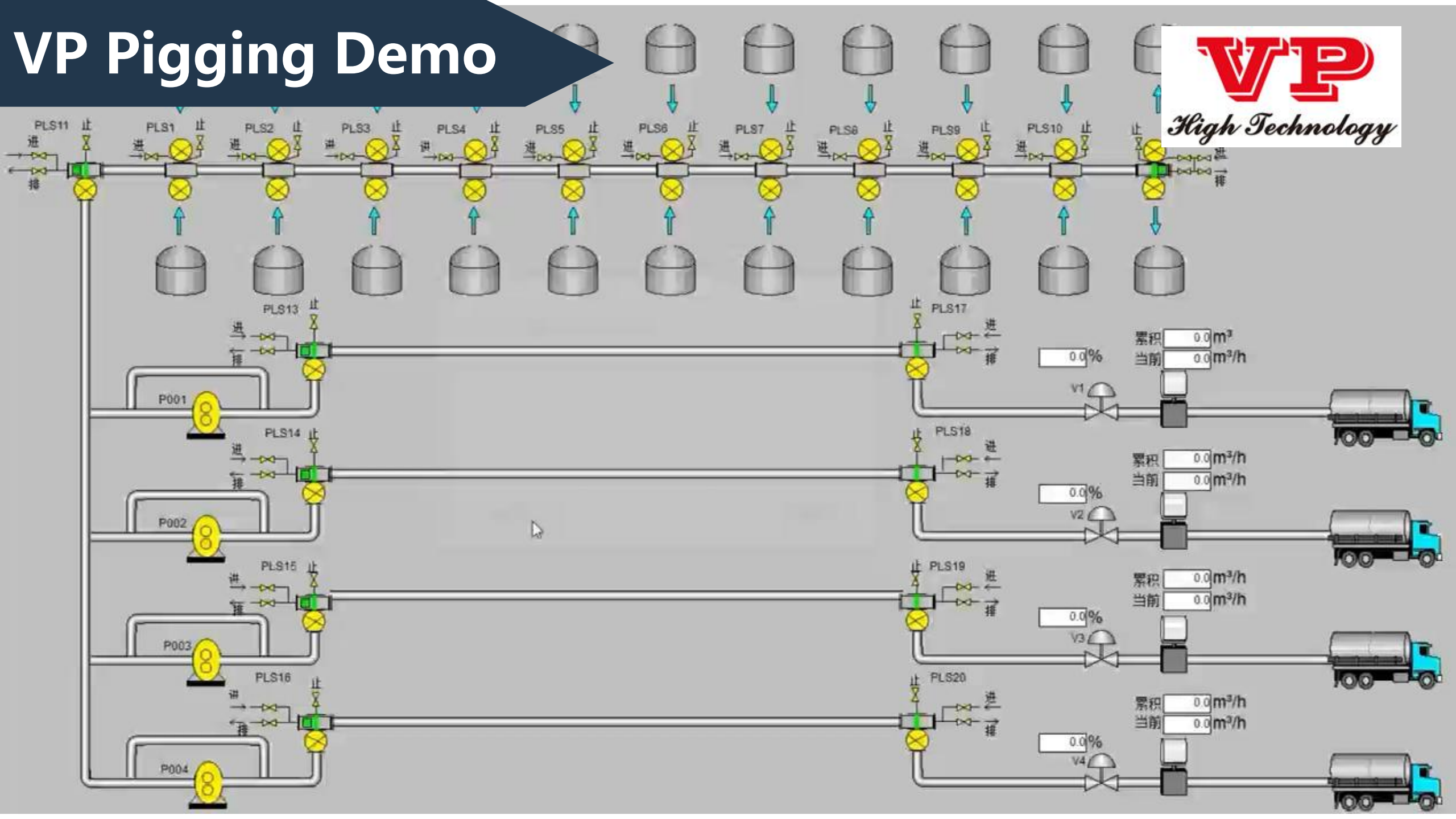
球扫现场视频



Pigging with Rinsing



VP Pigging Demo



Main Equipment in a Pigging System

- VP Pigging system has automatic/Manual function.
- The pigging station status is monitored by PLC.
- Product valve on/off
- Air line valves status.
- Pig location monitor

Launcher

Receiver

3-Way Valve

Middle Statiion

Pig Stop

Pig

- Composite PU 聚氨酯复合材料
- Fluoroelastomer 氟橡胶
- Silicon Rubber 硅橡胶
- Steel Brush 钢刷

BJVP Pig is designed by BJVP and made the world most advanced PU technology in France.

BJVP developed various material to fit for the right application.

The lip seal is separated with the pig body.Lower cost for the maintenance.

VP Pigging Line

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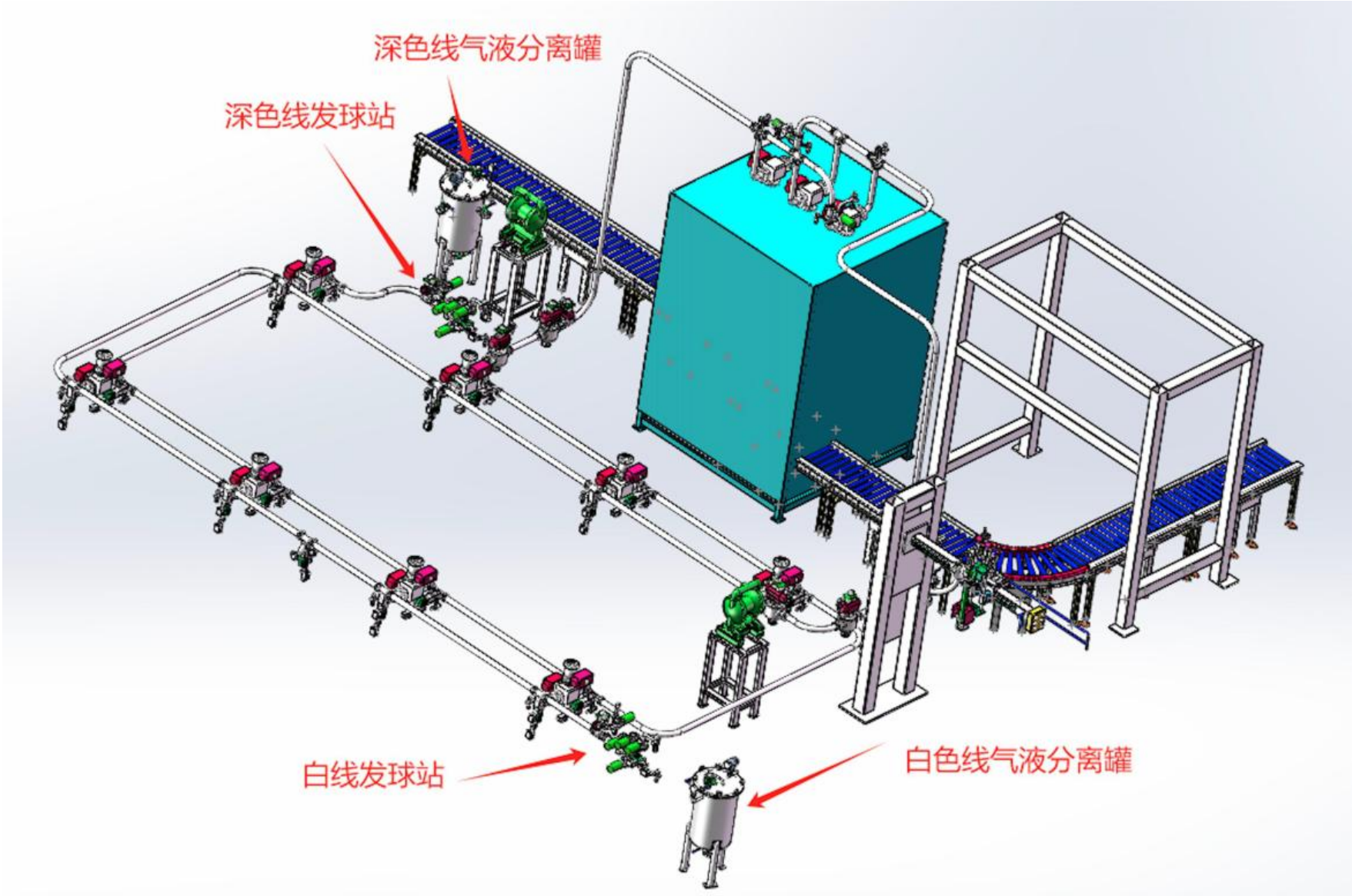
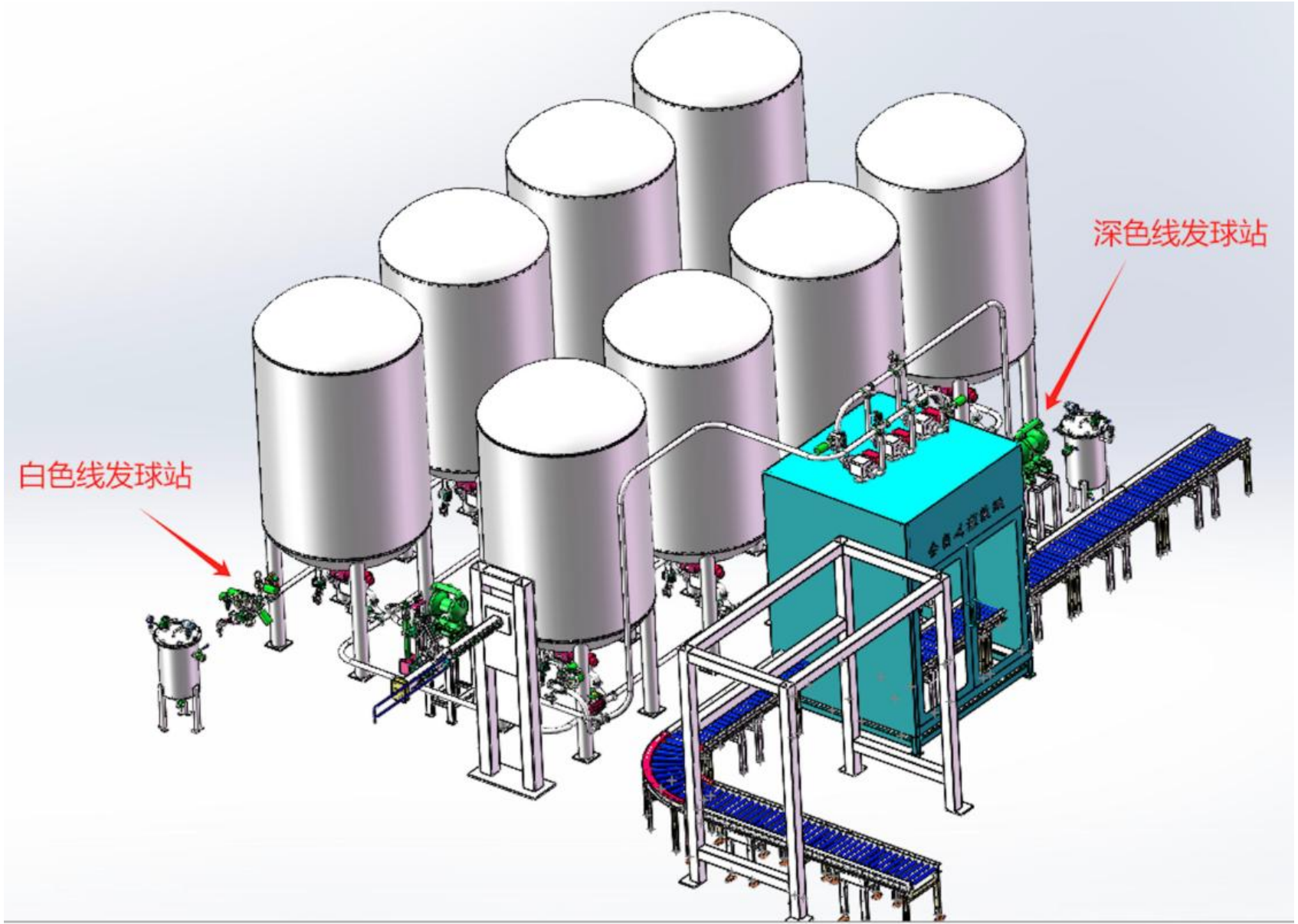
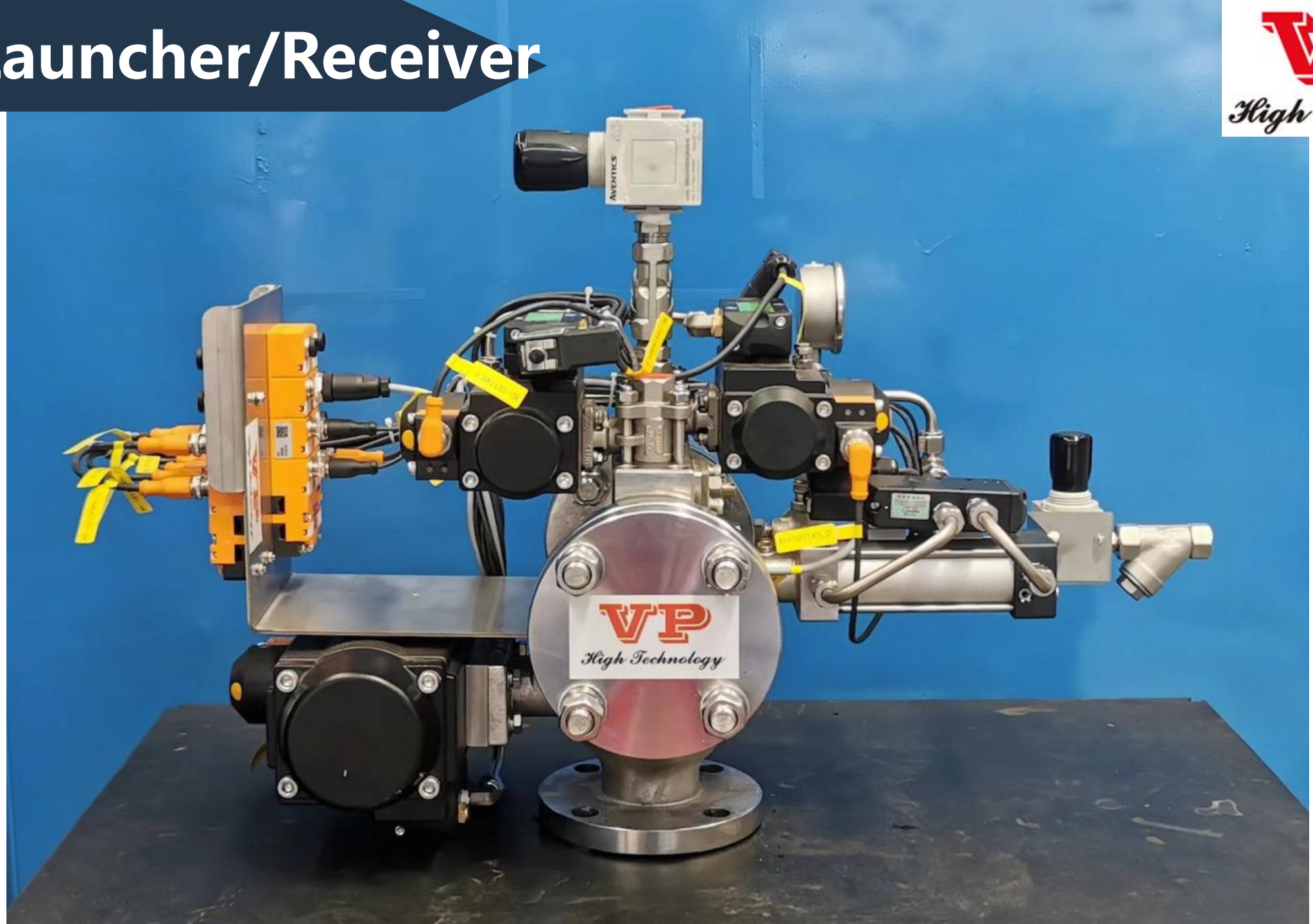


VP Pigging Line

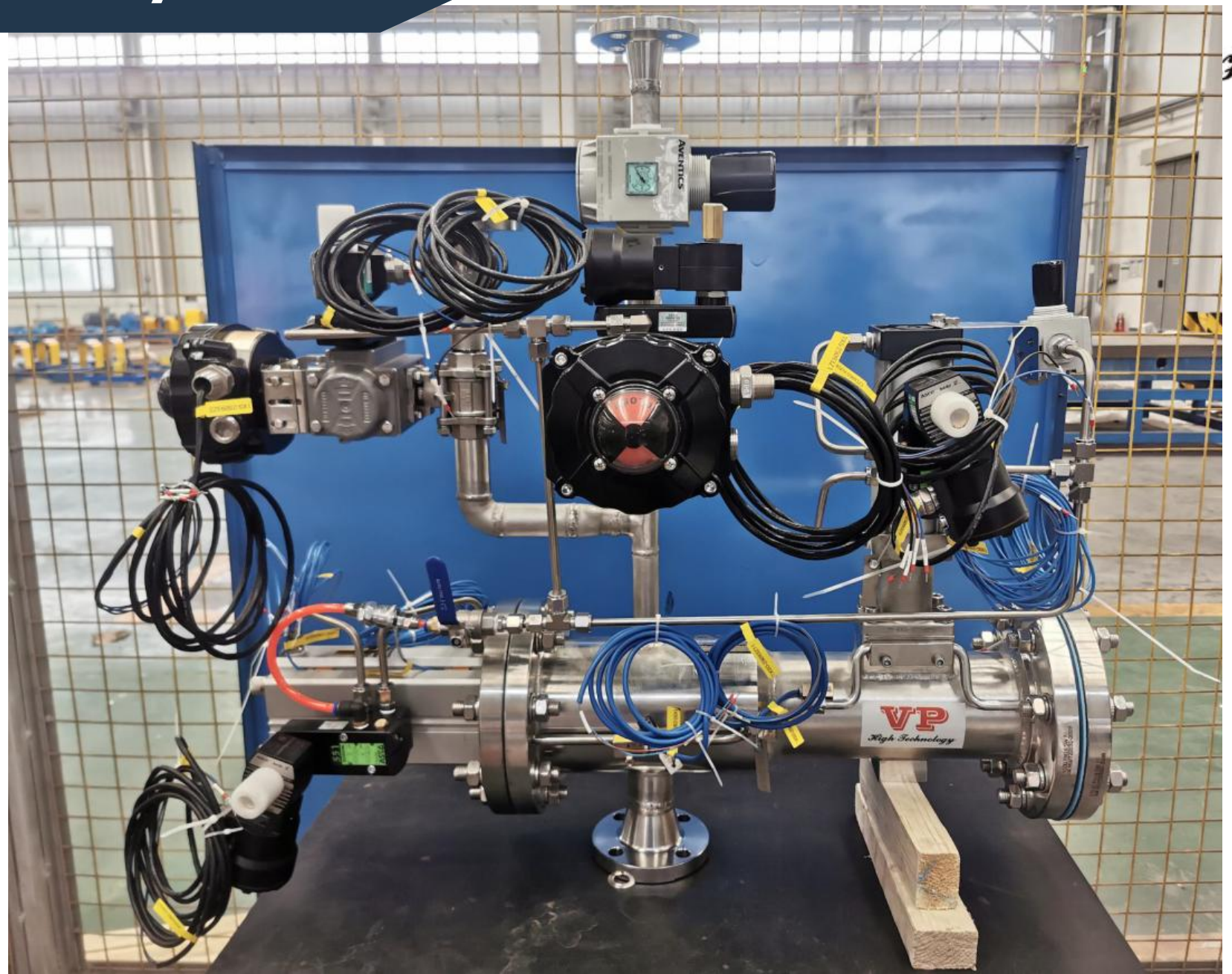
High Technology



VP Launcher/Receiver

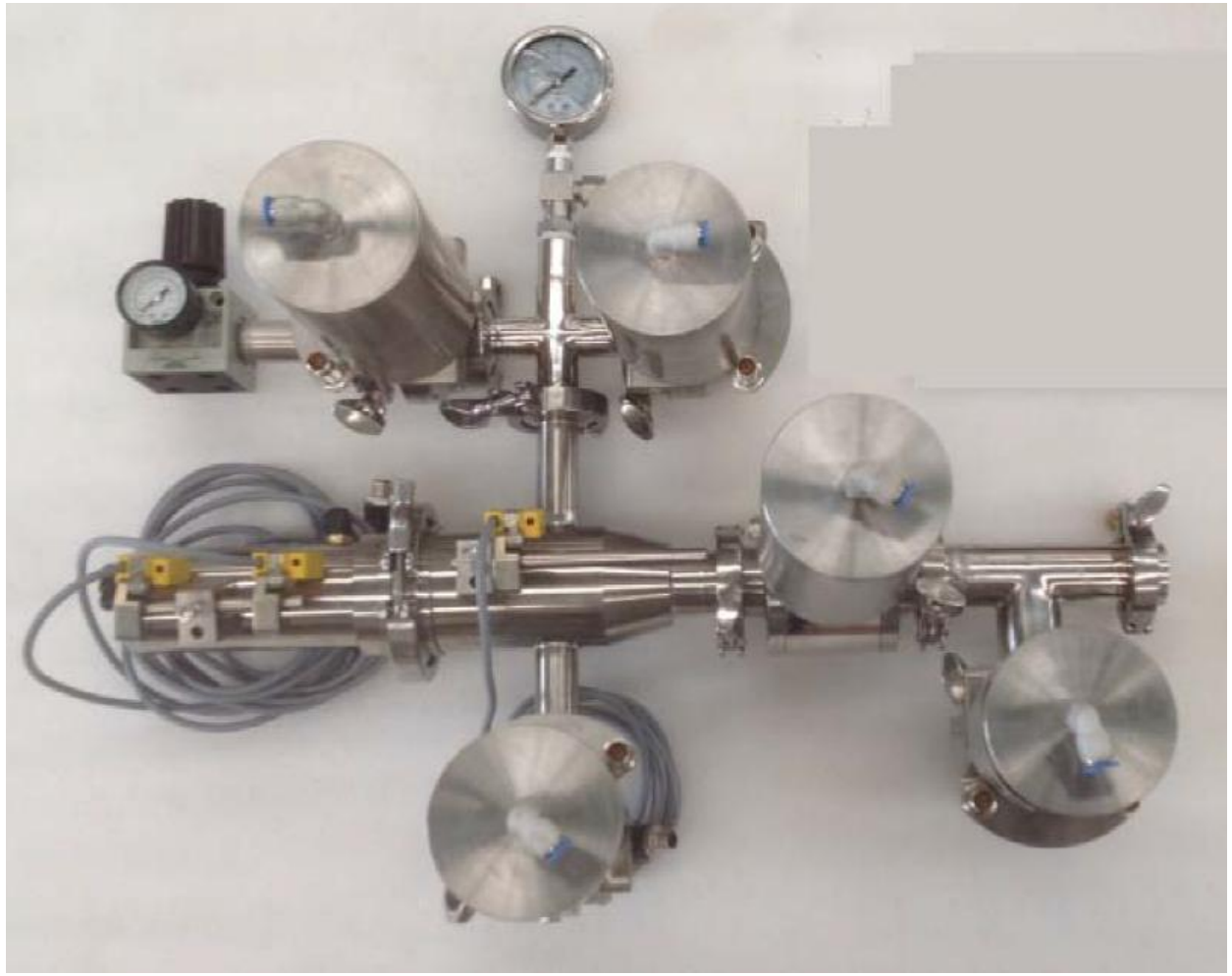


VP Launcher/Receiver



VP Launcher/Receiv

卫生级球站



VP 3 way Distribution Pigging Valve

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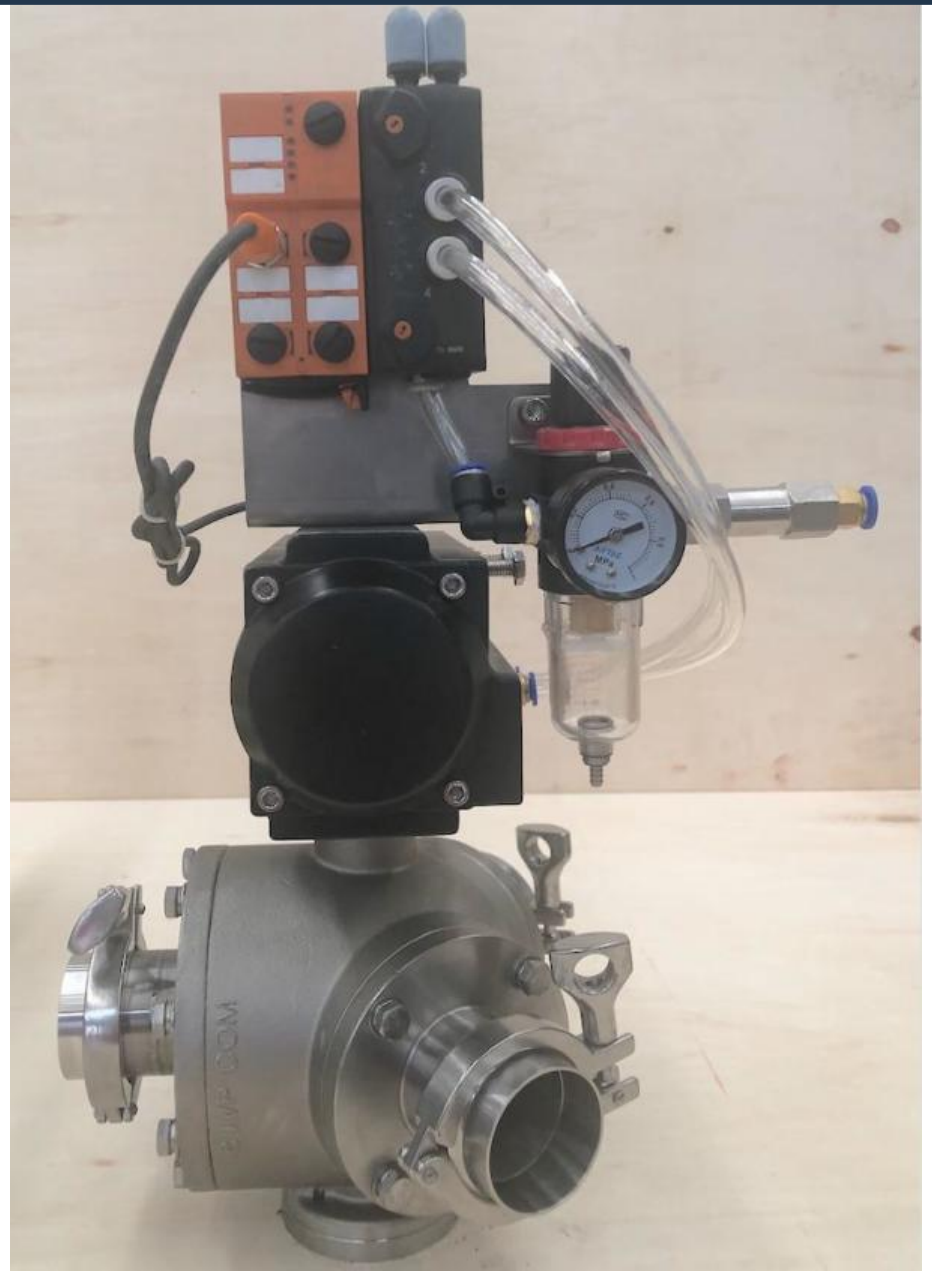
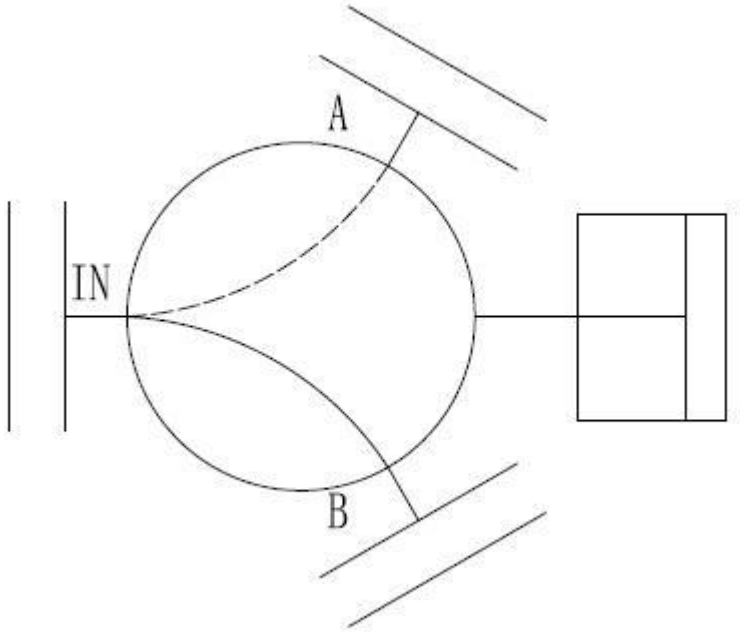
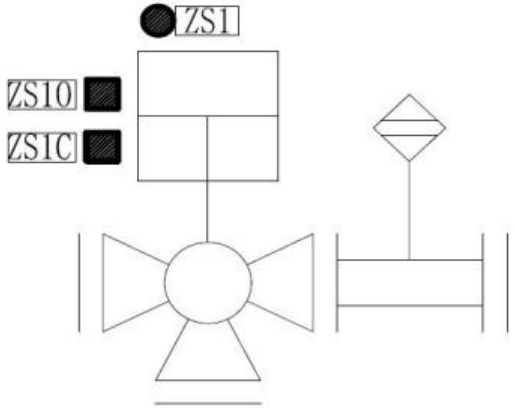
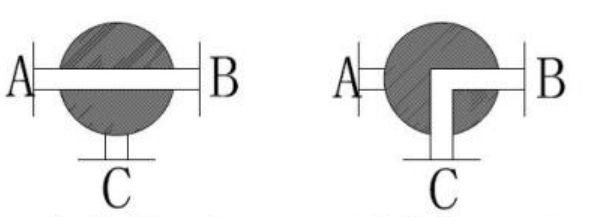




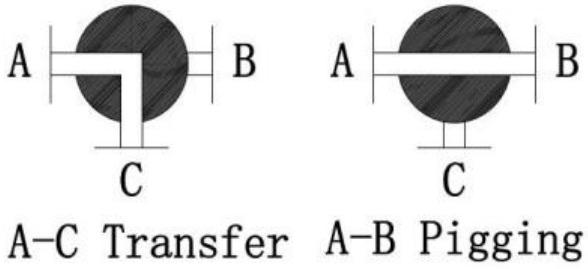
7-T-Valve

T-Valve Pigging System





Type 1



Type 2

Manual Launcher /Receiver

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Automatic Launcher/Receiver

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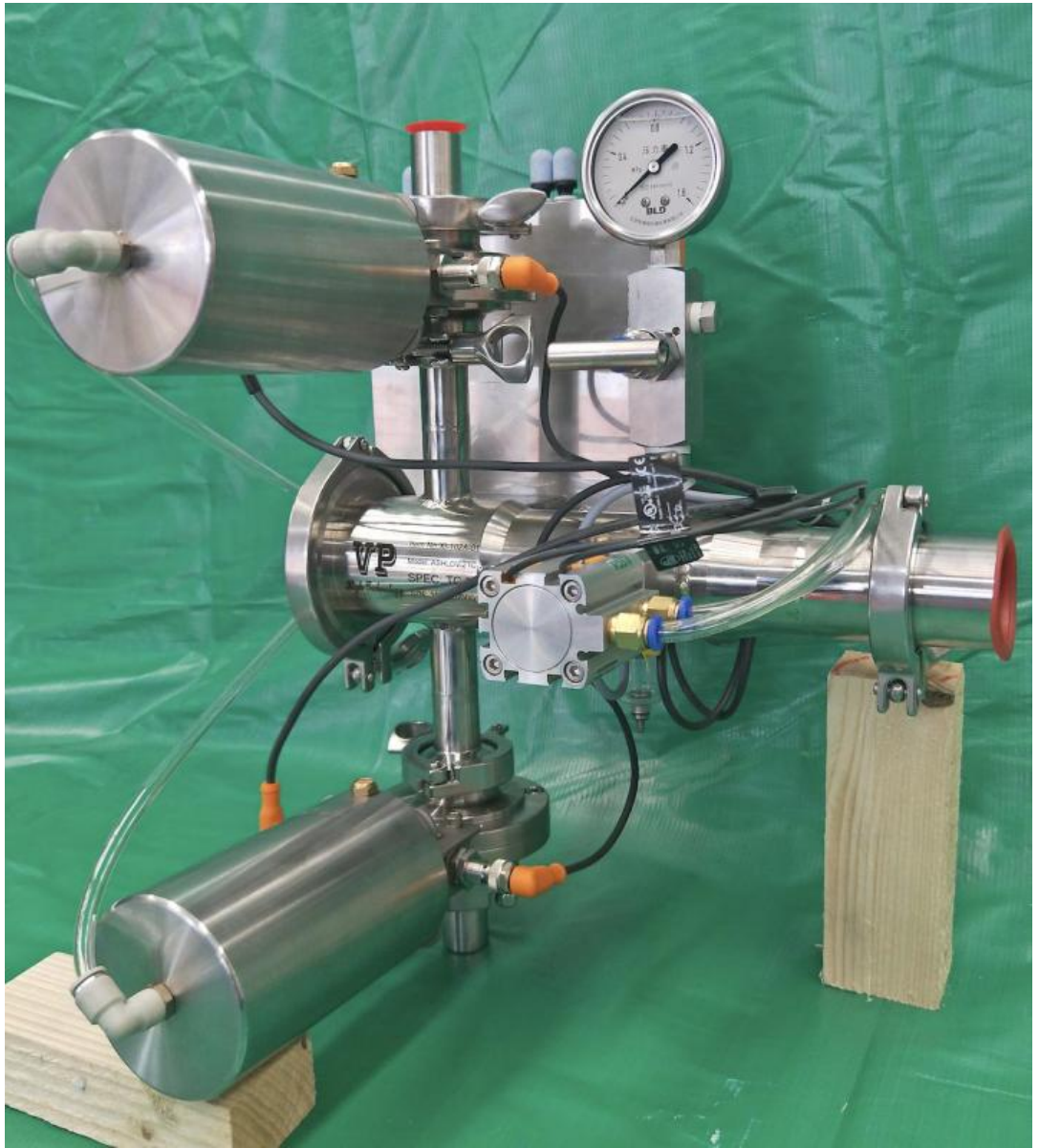
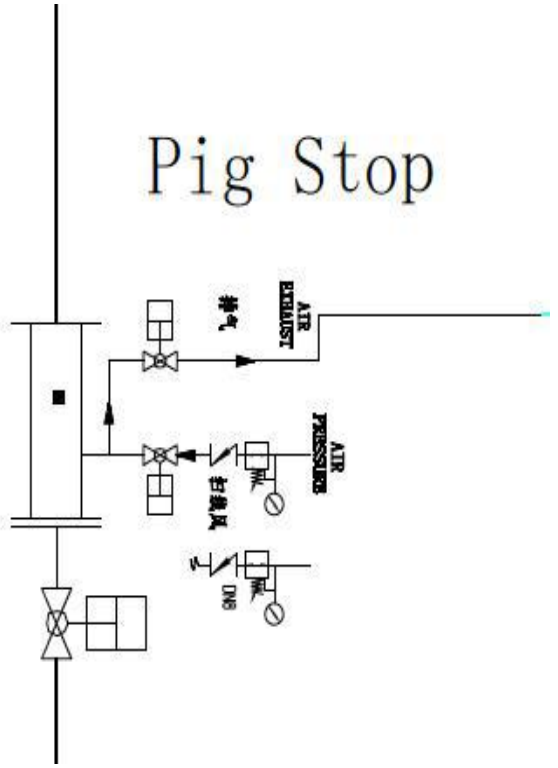


Pigging Bypass Tee

4-PIG STOP



9-Pigging Airline Demister

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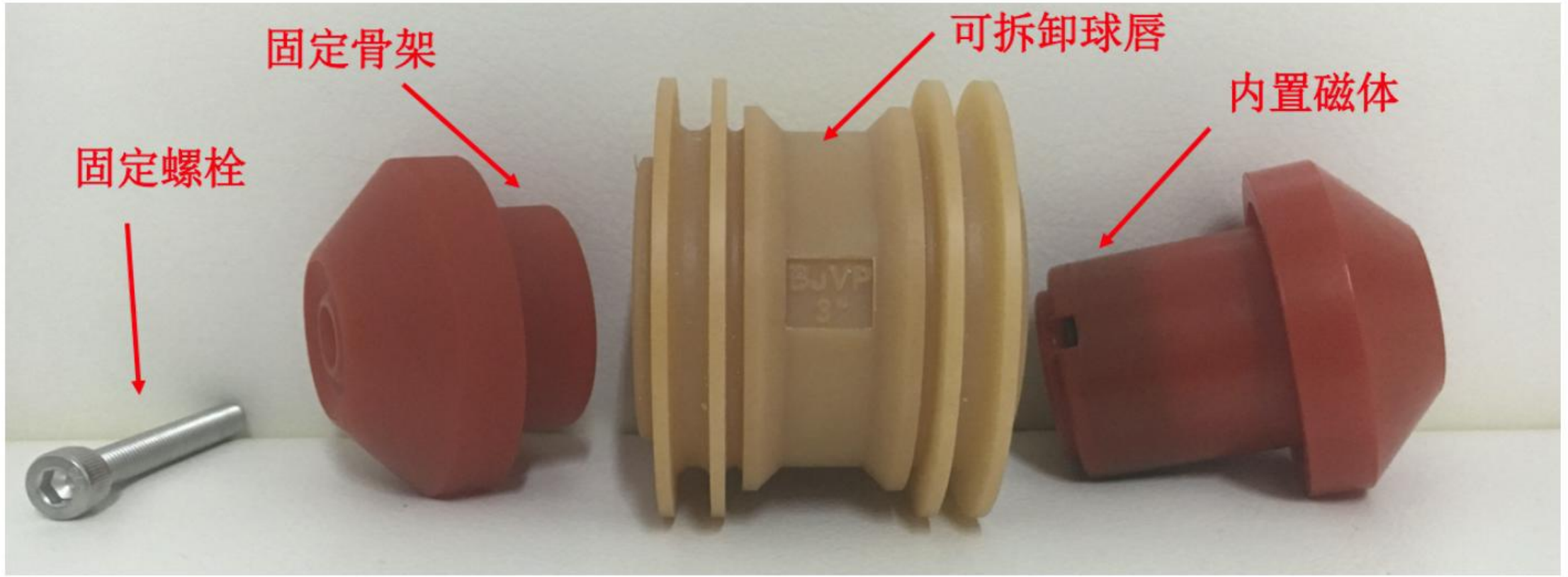
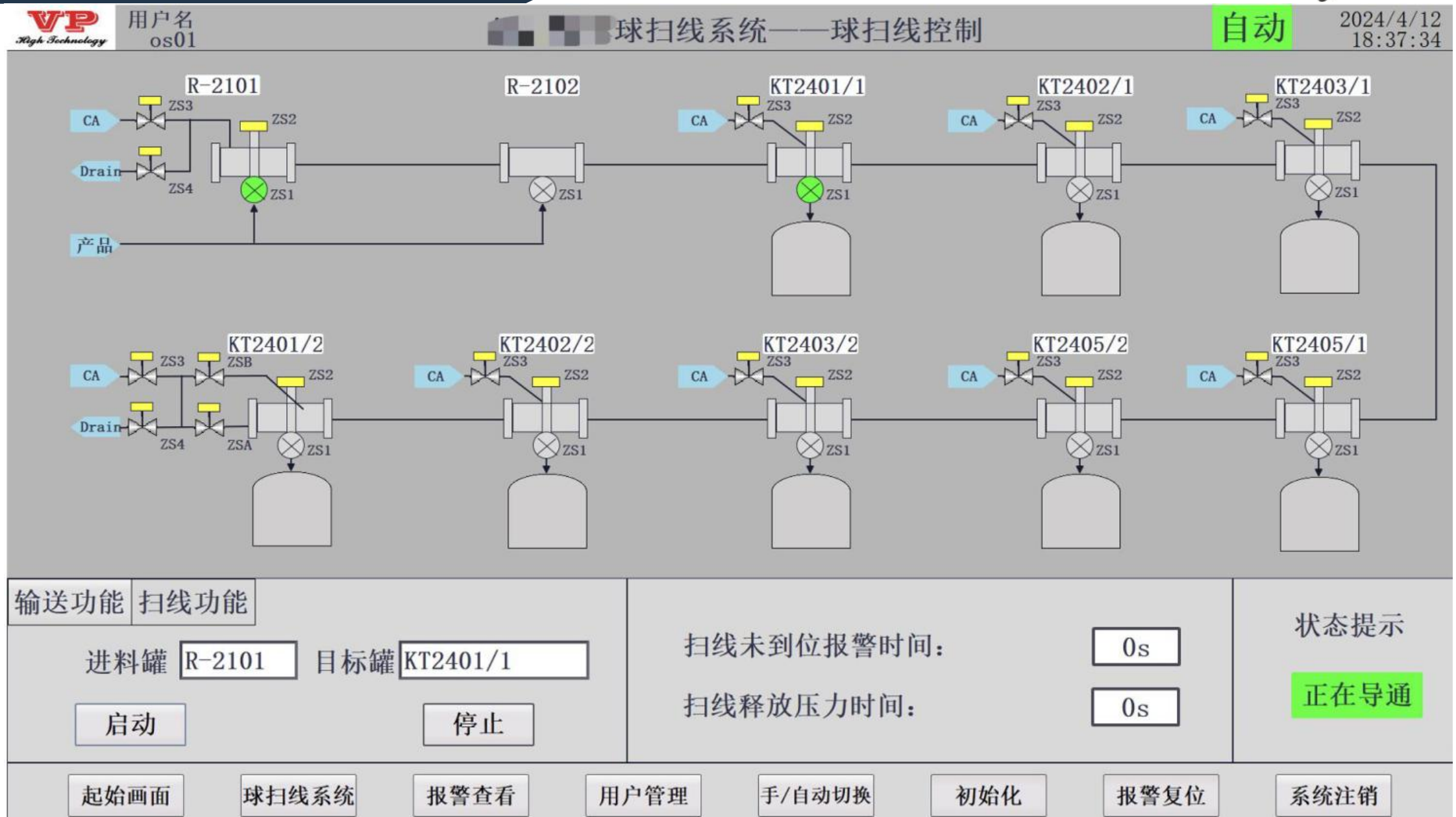
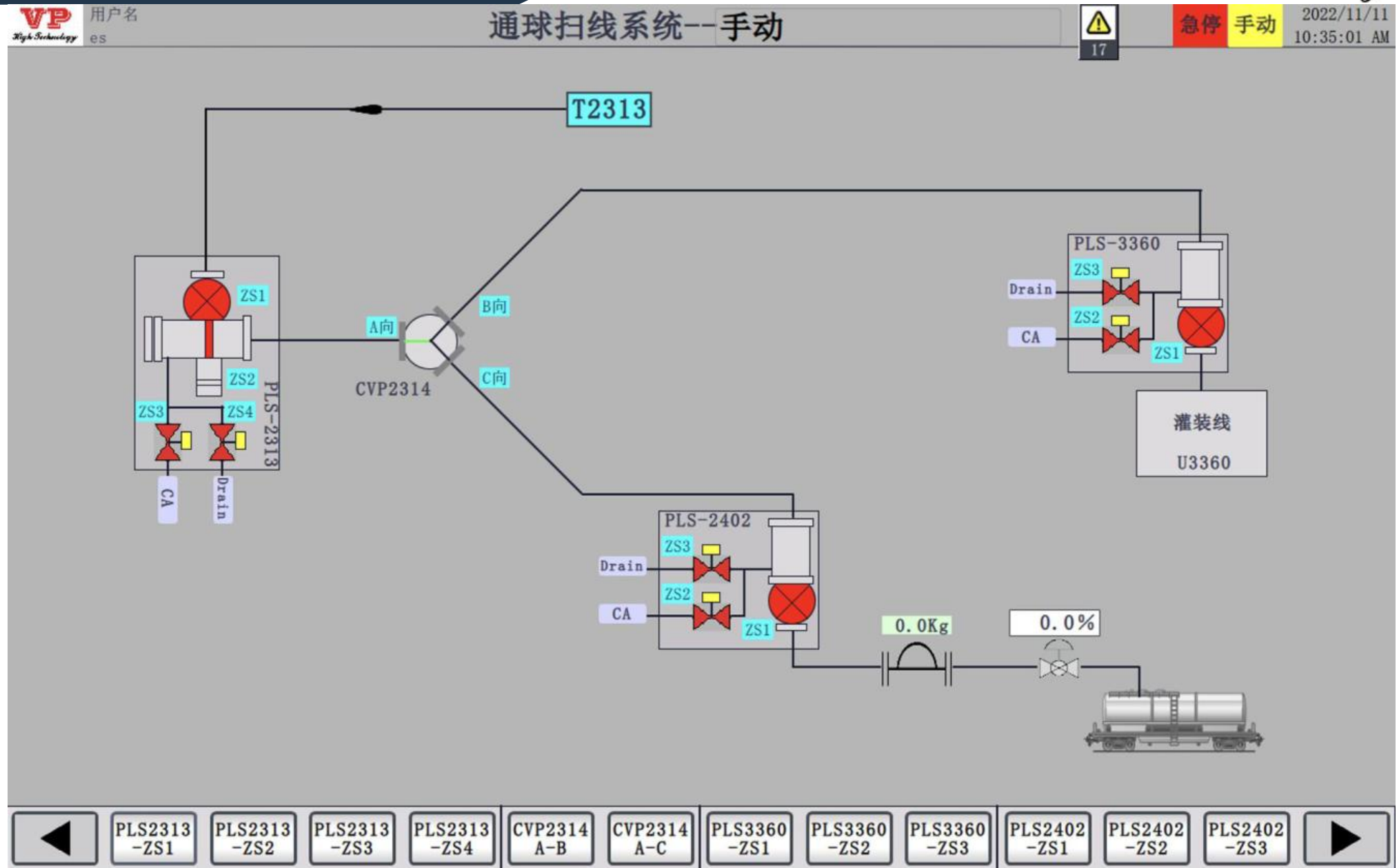
Pig with Magnet Insert



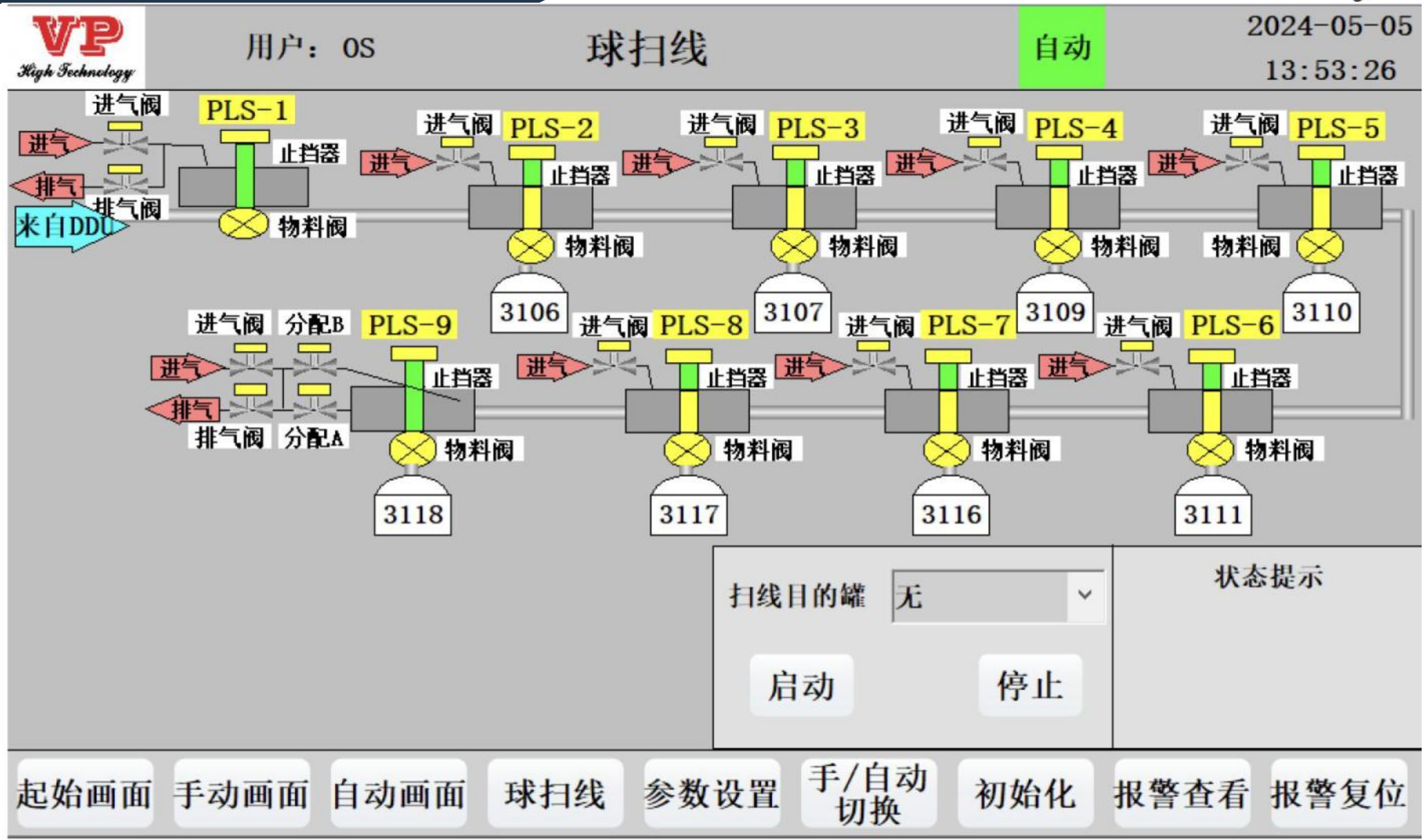
Pigging Control



Pigging Control



Pigging Control



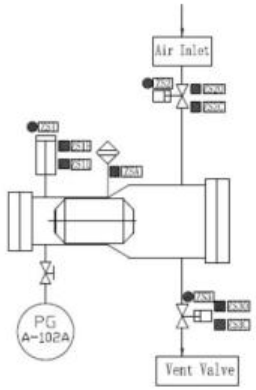
Pigging Data Sheet

BEIJING VP CO.,LTD.

Pigging Data Sheet

Type	Launcher Station	Model	ASHLDV-2″
Pig Detector QTY.	1	Vent Valve QTY.	1
Air Valve QTY.	1	Pig Stopper QTY.	1

Laucher Including:



I/O of PLC

- Input
- Output

ZSA	Pig Detector		
ZS1H	Pig Stoper Out		
ZS1L	Pig Stoper In		
ZS2O	DI Water valve Open		
ZS2C	DI Water valve Clos	ZS1	Pig Stoper Control
ZS3O	Air valve Open	ZS2	DI Water valve Control
ZS3C	Air valve Close	ZS3	Air valve Control

Pig Station		Design Data	
Pipe	3A/BPE ASTM269/270 Sanitary Pipe	Pressure	Design 10BAR Hydro.Tes 15Bar
Diameter	2″(50.8*47.5mm)	Temp	-10 ℃ 至 100 ℃
Material	316L	Pigging Air Pressure	2 BAR(Min) 4 BAR (Max)
		Instrument Air Spply	3 BAR(Min) 5 BAR (Max)

Instrument			
Comm.	AS-i	Protection	IP65
Area	Safety	Wire supply	M12

Pig Detector			
Type	Magnetic (1 detector)	Power	24V DC

Pig Stopper			
Actuator	Double Action	Material	316L

Vent Valve			
Valve Type	Pneumatic Disc Valve	Actuator	Single Action
Size	1″	Material	316L

Air Valve			
Valve Type	Pneumatic Disc Valve	Actuator	Single Action
Size	1″ with 1/2″ FRL air supply connection	Material	316L

Pigging Manifold

Manifold Principle

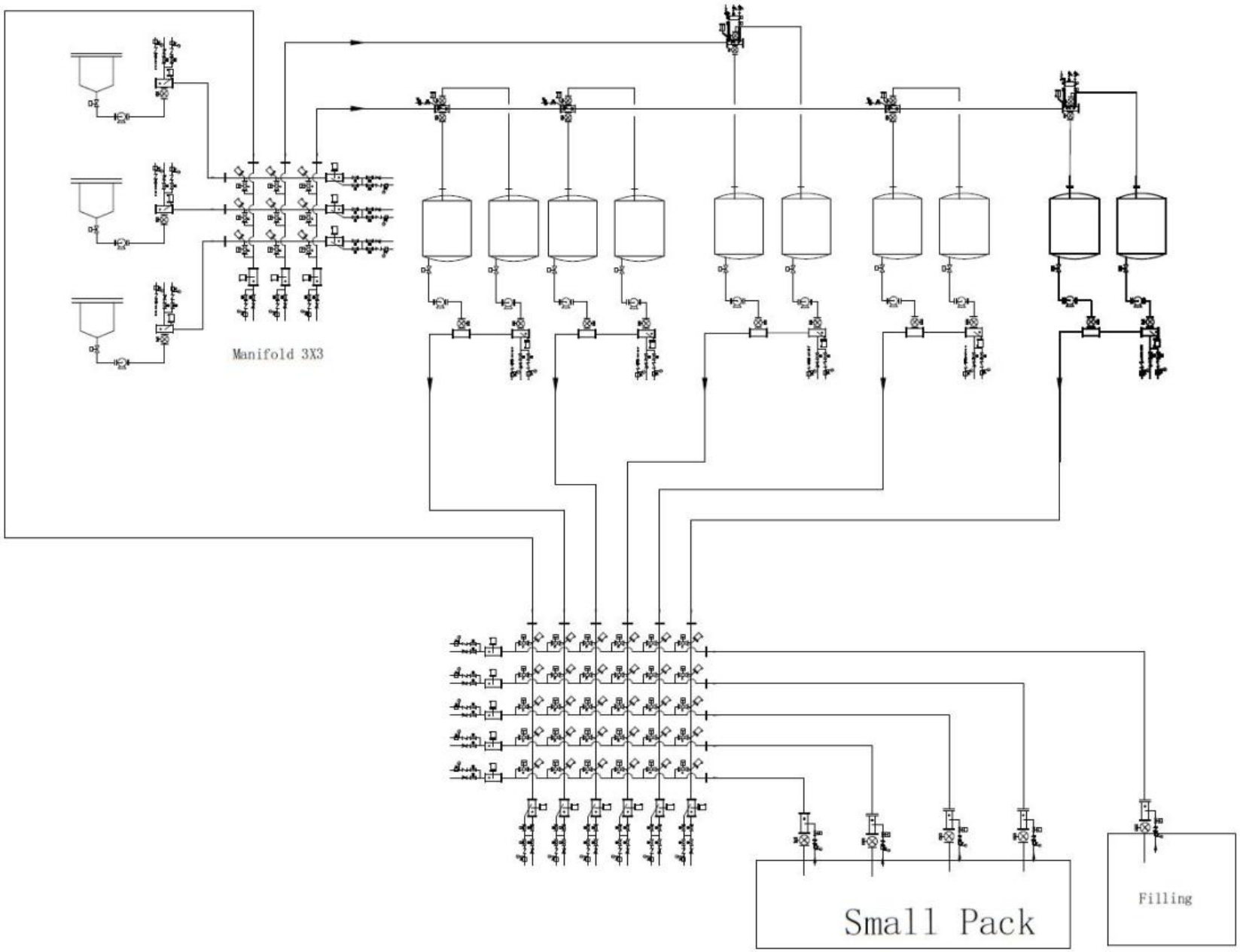
Manifold is built by using a matrix principle where each crossing of a horizontal line with a vertical column becomes a manual controlled connection between the pipes. This manifold dramatically reduces the space and quantity of pipelined in user's plant.

It can reach the target of connection one pipe to multiple pipes; multiple to one; multiple to multiple. The manifold pipe quantity can be set up according to actual requirements of users with the highest economic efficiency.

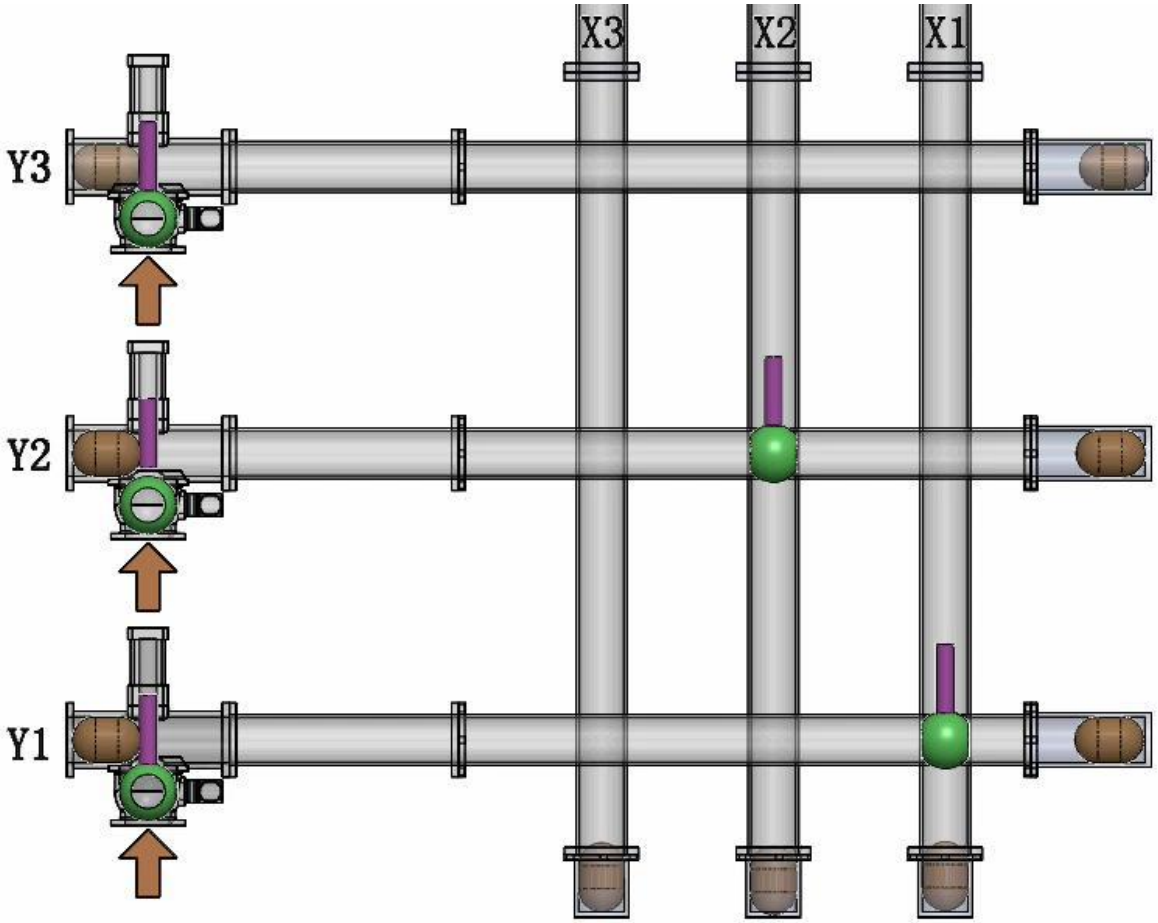
VP Manifold

VP manifold
is designed to simplify
piping layout, and
thoroughly clean up the
residue liquids in pipelines
by pigging system .

Pigging with Manifold



Automatic Manifold Principle



Automatic Manifold

Automatic Manifold

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Manual Manifold

BJVP Lube Oil Customers

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Shell Global Solutions

LUBRICANTS. TECHNOLOGY. PEOPLE. FUCHS

ExxonMobil

SINOPEC | 长城润滑油

昆仑润滑

美谷石化
MAKHOP

COPTON®

NACO®

BJVP Customers

VP High Technology

AOC Trusted Solutions

AXALTA

TSBON INDUSTRIAL PARTNER

INEOS

EVONIK Leading Beyond Chemistry

Ashland always solving

BASF We create chemistry

PPG

ARKEMA INNOVATIVE CHEMISTRY

JM Johnson Matthey Inspiring science, enhancing life

Cargill

Oyu Tolgoi

SOLVAY asking more from chemistry®

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