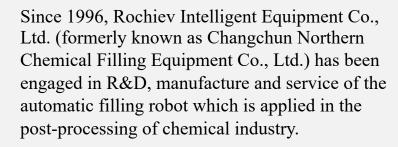




### Chapter 1

### **ABOUT US**



Through nearly three decades of development, Rochiev has established its own provincial enterprise technology center and postdoctoral studio, and also been honored by government the title of National High-tech Enterprise and Provincial "Specialized & Innovative" Enterprise. By pushing the innovation, Rochiev has been granted more than 200 patents and know-how property rights on the explosion-proof filling machine and intelligent packaging workshop for hazardous chemicals.



#### ■ BIRD'S-EYE VIEW OF THE COMPANY

### **ABOUT US**



As initiator, Rochiev presided over the formulation of 1 national standard and 1 industrial standard, and as main member participated in the completion of 9 industrial and national standards.

Nowadays, Rochiev has become the world's leading comprehensive solution provider of advanced filling equipment used for hazardous chemical and presents the full support from R&D, pre-sales consulting, manufacturing to after-sales servicing.

### **APPLICATION**



**PETROCHEMICAL** 

CONSTRUCTION MATERIAL

LUBRICANT OIL

# **APPLICATION**







TDI &MDI
ACIDS & ESTER
AMINE POLYETHER
BENZENE ALCOHOL
KETONE
ADDITIVES ETC.

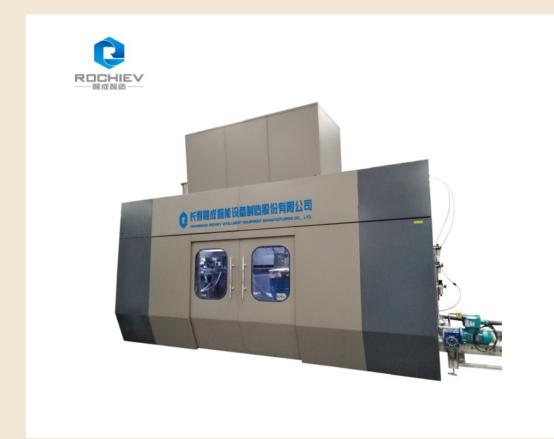
PAINTS
GLUES
COATINGS
RESINS
ETC.

OIL
LUBRICANT
GASOLINE
DIESEL
ETC.



#### GOOD TOOLS ARE ESSENTIAL TO DO THE JOB WELL

#### ■ VPFR-200 MODEL



### **VPFR-200 Automatic Explosion-Proof Filling System**

Drums /IBCs	200L
Bunghole Alignment	Vision Addressing
Weight range	2kg-300kg
Filling Capacity (Varies with pressure, flow and viscosity)	90-120 Drums/H/Station
Accuracy	±0.2kg
Features	Auto-Switching 2 -5Nozzles/ Station; Auto-Uncapping; Auto-Capping & Sealing
Mainframe Size	5100x2400x3900mm

#### GOOD TOOLS ARE ESSENTIAL TO DO THE JOB WELL

#### ■ VPFR-1000 MODEL



### **VPFR-1000** Automatic Explosion-Proof Filling System

Drums /IBCs	1000L
Bunghole Alignment	Vision Addressing
Weight range	10kg-1500kg
Filling Capacity (Varies with pressure, flow and viscosity)	15-25 Drums/H/Station
Accuracy	$\pm 0.4$ kg
Features	Auto-Switching 2 -5Nozzles/ Station; Auto-Uncapping; Auto-Capping & Sealing
Mainframe Size	4000x2700x4500mm

GOOD TOOLS ARE ESSENTIAL TO DO THE JOB WELL

#### ■ VPFR-1000 COMPATIBLE MODEL



### **VPFR-1000** Compatible Automatic Explosion-Proof Filling System

Drums /IBCs	1000L & 200L
Bunghole Alignment	Vision Addressing
Weight range	10kg-1500kg
Filling Capacity (Varies with pressure, flow and viscosity)	200L: 30-40 Drums/H/Station 1000L: 8-15 Drums/H/Station
Accuracy	±0.4kg
Features	Auto-Switching 2 -5Nozzles/ Station; Auto-Uncapping; Auto-Capping & Sealing
Mainframe Size	4000x2700x4500mm

#### GOOD TOOLS ARE ESSENTIAL TO DO THE JOB WELL

#### ■ MPFR-SV MODEL



MPFR-SV Automatic Filling System		
Drums /IBCs	10L - 50L	
Bunghole Alignment	Mechanism	
Weight range	2kg-60kg	
Filling Capacity (Varies with pressure, flow and viscosity)	100-1200 Drums/H/Station	
Accuracy	±2.5kg	
Features	Auto-Switching 2 -5Nozzles/ Station; Auto-Uncapping; Auto-Capping & Sealing	
Mainframe Size	3250x1750x3550mm	

#### GOOD TOOLS ARE ESSENTIAL TO DO THE JOB WELL

#### ■ HPFR-BV MODEL





### **HPFR-BV Semi- Automatic Explosion-proof Filling System**

Drums /IBCs	60L - 1000L
<b>Bunghole</b> Alignment	Manual
Weight range	60L-200L: 2kg-300kg 1000L : 10kg-1500kg
Filling Capacity (Varies with pressure, flow and viscosity)	60L-200L: 45Drums/H/ Station 1000L : 10Drums/H/Station
Accuracy	$60L-200L: \pm 0.2kg$ $1000L: \pm 1kg$
Mainframe Size	60L-200L: 700x1200x2500mm 1000 L: 1200x1100x2800mm

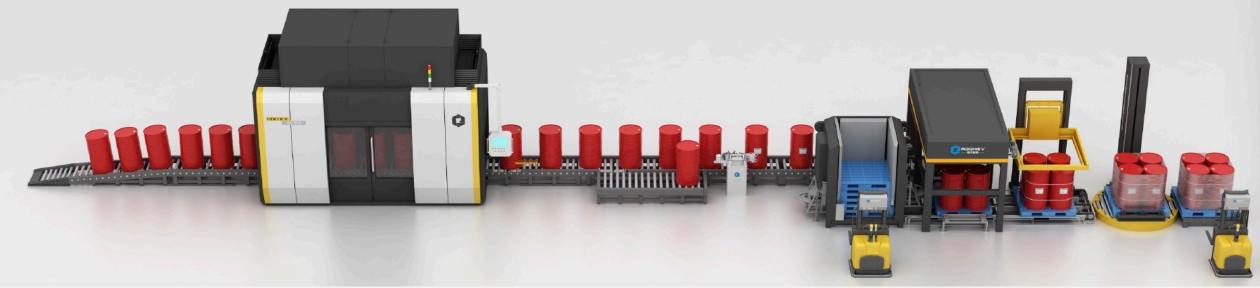
GOOD TOOLS ARE ESSENTIAL TO DO THE JOB WELL

#### ■ HPFR-200/HPFR-1000 MODEL



### **HPFR-200/HPFR-1000** Semi-Automatic Explosion-proof Filling System

Drums /IBCs	Compatible 60L & 200L & 1000L
<b>Bunghole</b> Alignment	Manual
Weight range	10kg-1500kg
Filling Capacity (Varies with pressure, flow and viscosity)	60L-200L: 45Drums/H/ Station 1000L : 10Drums/H/Station
Accuracy	$\pm 0.4 \mathrm{kg}$
Mainframe Size	1300x2100x3800mm







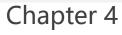


























































### ISO & OHSAS

ISO



Beijing ZhongDaHuaYuan Certification Center (B22 Fuchengmenwai Street, Western District, Beijing 100833, China)

Quality Management System Certification Certificate

Changchun Northern Chemical Filling Equipment Co., Ltd.

(Unified Code Of Social Credit:91220101605947002Y)

Audit address: No. 3088 Zhongsheng Road, Beihu Technology Development Zone, Changchun City, Jilin Province P.R. China

Registered address: No. 177 Software 3 Road, High-tech Development Zone, Changchun City, Jilin

Product / service scope: design, development, production and service of fixed-weight liquid metering filling system (including explosion-proof type) and warehousing equipment (loading and unloading equipment, handling equipment)

Quality management system is in conformity with GB/T 19001-2016/ISO 9001:2015 Quality management systems-Requirements

Issuing date: 2022.02.25; Expiration date: 2025.03.16

Note: The certification registration scope doesn't include those product / service scopes which fail to be covered by the relevant crive administration permission and qualification permission regulated by the state. t must accept the surveillance audit on a regular basis and the certificate is considered to be effective only







MANAGEMENT SYSTEM CNAS C020-M



ificate information could be available in the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn) and Beijing ZhongDaHuaYuan Certification Center (www.zdhy.net). ISO

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ER

Kaixin Certification (Beijing) Co.,Ltd.

Certificate of Registration

Registration No.: 626019E11964R0M

This is to certify that

Changchun Rochiev Intelligent Equipment Manufacturing Co., Ltd.

Unified Social Credit Code: 91220101605947002Y

Registration Address: No. 177, Ruanjian No. 3 Road, High-tech Development Zone, 130012, China. Business Address: No. 3088, Zhongsheng Road, Changchun High-tech Beihu Technology Development Zone, 130012, China.

The management system is in conformity with

#### 1SO14001:2015 standard

Scope: The Relative Environmental Management Activities about R&D, Production and Sales within Qualification Scope of ASSB Explosion-proof Automatic Three-Dimensional Storage System and VPFR Visual Positioning Filling Robot System, Filling Equipment, Storage Equipment and Locations Involved

Issue Date 2022-02-25 Term of Validity : 2025-02-24

NOTE: The certified organization must accept the surveillance audit duly, and the audit shall be approved as effect ive before approving that this certificate can maintain as valid. On and by2020-09-13,this certificate shall b e used together with notice of maintaining certification and registration







**OHSAS** 18001



Kaixin Certification (Beijing) Co.,Ltd.

Certificate of Registration

Registration No.: 06919S11973R0M

This is to certify that

Changchun Rochiev Intelligent Equipment Manufacturing Co., Ltd.

Unified Social Credit Code: 91220101605947002Y Registration Address: No. 177, Ruanjian No. 3 Road, High-tech Development Zone, 130012, China. Business Address: No. 3088, Zhongsheng Road, Changchun High-tech Beihu Technology Development Zone, 130012, China.

The Management system is in conformity with

#### GB/T 28001-2011/OHSAS 18001:2007 standard

Scope: The Relative Occupational Health Safety Management Activities about R&D, Production and Sales within Qualification Scope of ASSB Explosion-proof Automatic Three-Dimensional Storage System and VPFR Visual Positioning Filling Robot System, Filling Equipment, Storage Equipment and Locations Involved

Issue Date Term of Validity

KER

2022-02-25 : 2023-08-24

NOTE: The certified organization must accept the surveillance audit duly, and the audit shall be approved as effe ctive before approving that this certificate can maintain as valid. On and by 2020-09-13, this certificate sh all be used together with notice of maintaining certification and registra







管理体系

**ROCHIEV** 



产品名称 Name of Product 型号及规格

防爆自动立体仓储系统

Type of Product 防爆标志 Marking

Ex de ib | BT4 Gb

技术文件 Technical Documents

Q/CBH J2. 6. 8. 1-2017

Drawing No.

注 Note (s)

1. 額定电压: AC380V。

ASSB-XT. 0

- 2. 产品使用环境温度: 0°C≤Ta≤+40°C。
- 3. 防爆合格证编号后缀 "X"表示产品具有安全使用特殊条件,具体见使

#### 经对上述产品图样及技术文件的审查和样品的检验. 其符合以下标准

By verifying the drawings and technical documents and checking samples, the product complies with the following standards

GB 3836.1-2010 GB 38362-2010 GB 38363-2010 GB 3836.4-2010

给: 长春北方化工灌装设备股份有限公司

本证失效日期: 2024-02-18 Date of Expire

发证日期: 2019-02-18 Date of Issue:

中心印章 Center seal

National Ex-Product Quality Supervision and Inspection Center(TianJin)

电话/性系:022-26651066/26689116 Center Add. No. 85 No. 3 Road DingZiGu Tiantin China Post code: 300131 Tel/ Fax: 022-26651066/26689116

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

证号 CE17. 2319X

视觉定位灌装机器人系统

型号及规格 Type of Product

VPFR-200

技术文件

Ex d e ib mb pz II B T4 Gc Q/CBH J2. 6. 9. 1-2017

Technical Documents Drawing No.

VPFR-200, VPFR-1000

本证书备注内容详见附录。

#### 经对上述产品图样及技术文件的审查和样品的检验, 其符合以下标准

By verifying the drawings and technical documents and checking samples, the product complies with the following standards GB3836.1-2010 GB38362-2010 GB38363-2010 GB38364-2010 GB38365-2004 GB38369-2014

发 给: 长春北方化工灌装设备股份有限公司

本证失效日期: 2022-12-08

Date of Expire:

发证日期: 2017-12-08

中心印章 Center seal



(石油和化学工业电气产品防爆质量监督检验中心) National Ex-Product Quality Supervision and Inspection Center(TianJin)

注: 本证仅对与送检粹品一致的产品有效.

Note: This certificate is only valid for the products that are in accord with sample(s) tested and verified. 申心ル北上・国天津市丁字法三号器 8.5 号 ECRET Add. No.85 No.3 Road Ding.E/GU Tianjin China Post code: 300131 Tit/ Fax. 022-Tel/ Fax: 022-26651066/26689116

### **EXPLOSION-PROOF**



#### 防爆合格证

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

证 号 CE17. 2319X

产品名称 Name of Product 型号及规格 Type of Product 防爆标志

灌装机器人系统

1 PFR-[2]

Marking 技术文件 Technical Documents

Ex d e ib mb pz II B T4 Ge Q/CBH J2. 6. 9. 1-2017

VPFR-200 , VPFR-1000 , HPFR-200 , HPFR-1000 , MPFR-200 ,

Drawing No. MPFR-1000 本证书备注内容详见附录。

#### 经对上述产品图样及技术文件的审查和样品的检验, 其符合以下标准

By verifying the drawings and technical documents and checking samples, the product complies with the followingstand GB38361-2010 GB38362-010 GB38363-2010 GB38364-2010 GB38365-2004 GB38369-2014

Issued to:

长春融成智能设备制造股份有限公司

本证失效日期: 2022-12-08

Date of Expire: 发证日期

Date of Issue:

中心印章 Center seal



(石油和化学工业电气产品防爆质量监督检验中心)

National Ex-Product Quality Supervision and Inspection Center(TianJin)

3: 本证仅双与汉检样品一致的产品有效

Note: This certificate is only valid for the products that are in accord with sample(s) tested and verified. 中心抽肚中国天津市丁字店三号路 85 号 电话/位 本 022-26651066 (26689116 Center Add: No. 85 No.3 Road DingZ: Gu Tianjin China Post code: 300131 Tel/ Fax: 022-26651066/26689116

ROCHIEV 15

### **TECHNOLOGY & AFTERSALE**

**PROVIDE** PERFECT AFTERSALES SERVICE

#### **TECHNOLOGY**

**Vision Addressing the Bunghole Alignment** 

**Intelligence Algorithm** 

**Green and Clean Filling** 

**Multi-Nozzles Switching** 

**Complete-unit Explosion-proof** 

**AFTERSALE** 

**Guarantee Supply of Spare Parts for 30 Years** 

**Preservation of Product Data for 30 Years** 

Lifetime Retest for Explosion-proof **Equipment** 

Service Station in Large-scale Customer Area

**Quick Response Service Across Provinces** 

### Rochiev Intelligent Equipment Co.,Ltd.

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Changchun, China

Tel: +86-43189128800

www.rochiev.com

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Mobile: +86 181 8684 5482

