

# 太阳隔膜泵 TD series



**TAIYO pneumatic BU**  
**27<sup>th</sup>.Sep.2017**

ENGINEERING YOUR SUCCESS.



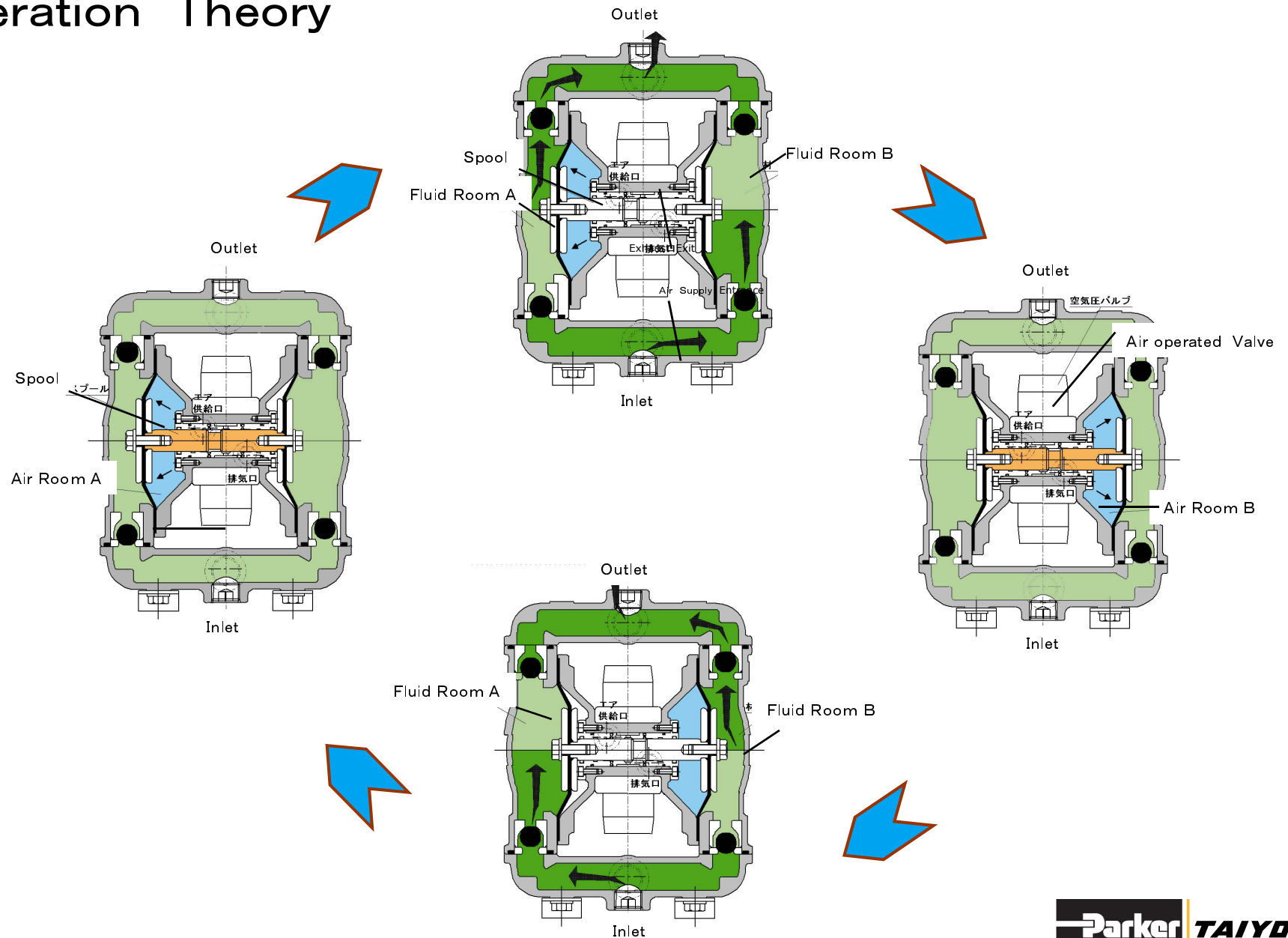
# 主要内容

1. 太阳隔膜泵产品介绍
2. 市场及竞争对手
3. 应用介绍

# Feature特性

- Completely Explosion—Proof Type防爆认证
- Safety toward over load可承受过载
- Easy for Adjustment of Output pressure and Output flow.出口压力及流量易于调节
- It has the outstanding corrosion resistance(SUS,PTFE,PP etc).耐腐蚀性强
- It can transfer a lot of kind liquids by select for liquid side materials.选用不同密封材料, 可传输多种介质
- The transfer of viscous fluid is possible. (3000 × 10<sup>-3</sup>Pa·s)可传输粘性介质
- Maintenance is easy.易于维修

# Operation Theory



# Model

## TD-08



**(Metal type)**  
Pump Size: Rc1/4  
Max Output Rate: 13L/min

## TD-15



**(Metal type)**  
Pump Size: Rc1/2  
Max Output Rate: 35L/min



**(Resin type)**  
Pump Size: NPT1/2  
Max Output Rate: 49L/min

## TD-20



**(Metal type)**  
Pump Size: Rc3/4  
Max Output Rate: 54L/min

## TD-25



**(Metal type)**  
Pump Size: G1  
Max Output Rate:  
128L/min



**(Resin type)**  
Pump Size: 1" flange  
ANSI#150  
Max Output Rate:  
166L/min

## TD2-25



**(Metal type)**  
Pump Size: Rc1  
Max Output Rate:  
160L/min

## TD2-40



**(Metal type)**  
Pump Size: G1 1/2  
Max Output Rate:  
341L/min

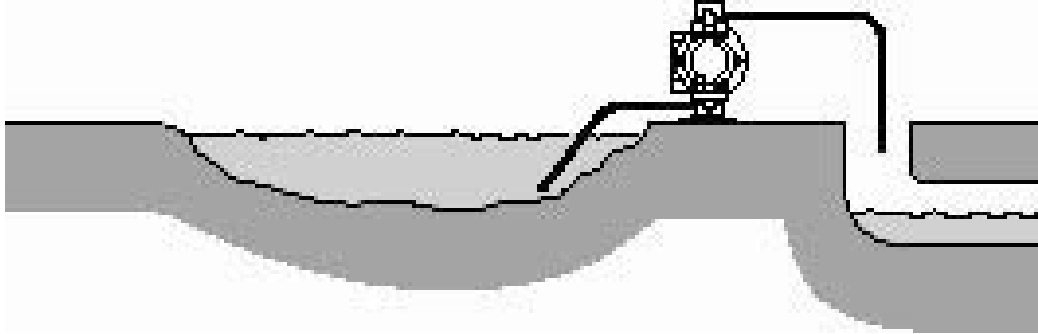
# 材质与介质兼容性

Fluid section material	Ph
PTFE (Teflon) 特氟龙	0
PVDF (Kynar) 聚偏氟乙烯	1
PP (Polypropylene) 聚丙烯	2
Stainless Steel	3
Cast Iron	4、5
Aluminum	6~8
Cast Iron	9, 10
Stainless Steel	11
PP (Polypropylene)	12
PVDF (Kynar)	13
PTFE (Teflon)	14

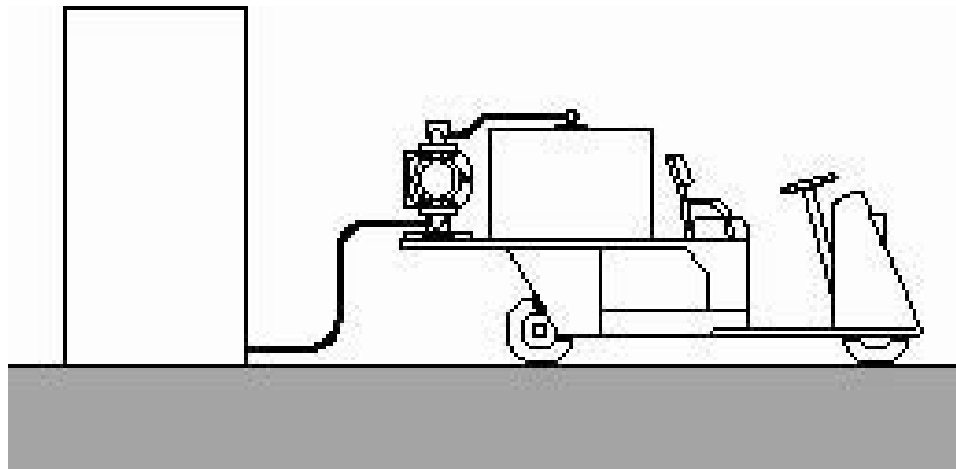
酸性

碱性

## The example of use 应用例子



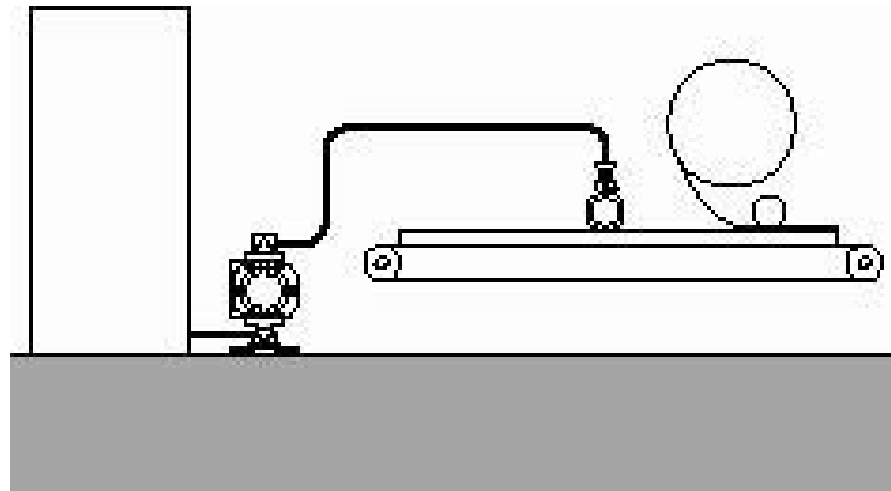
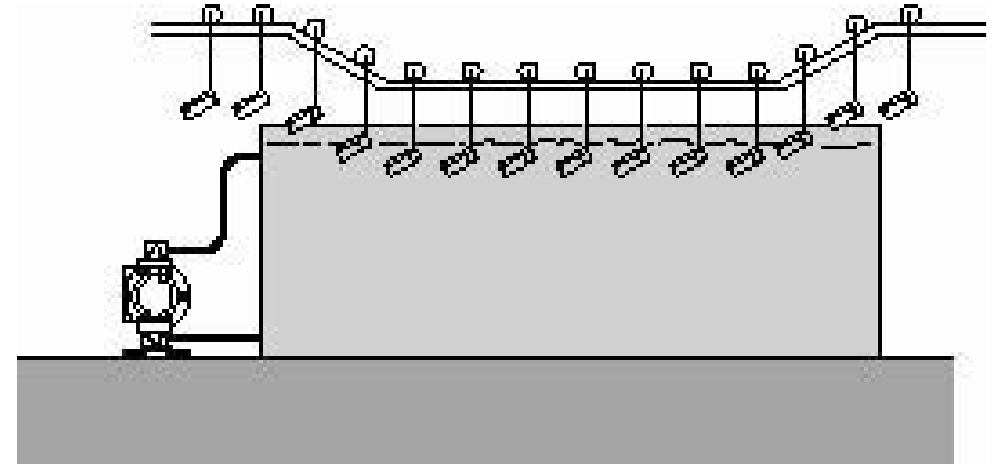
废水、海水及其他废液卷扬、排放



传输各种化学介质包括油  
气。

# The example of use应用例子

在电镀及喷涂槽内，通常用于搅拌及搅匀液体，防止固态颗粒沉淀。

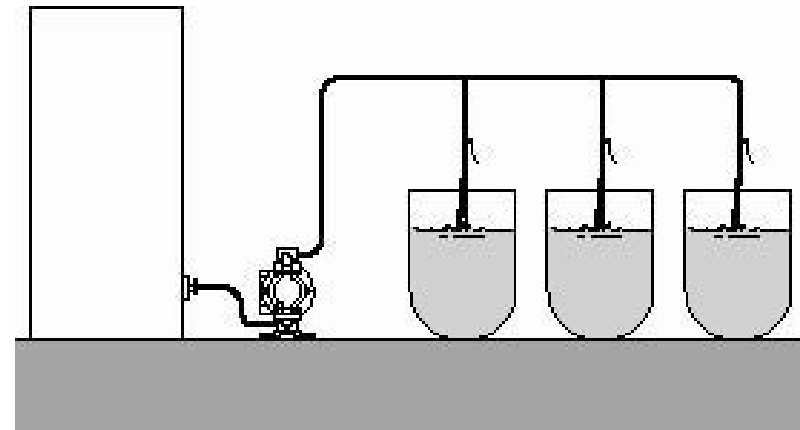
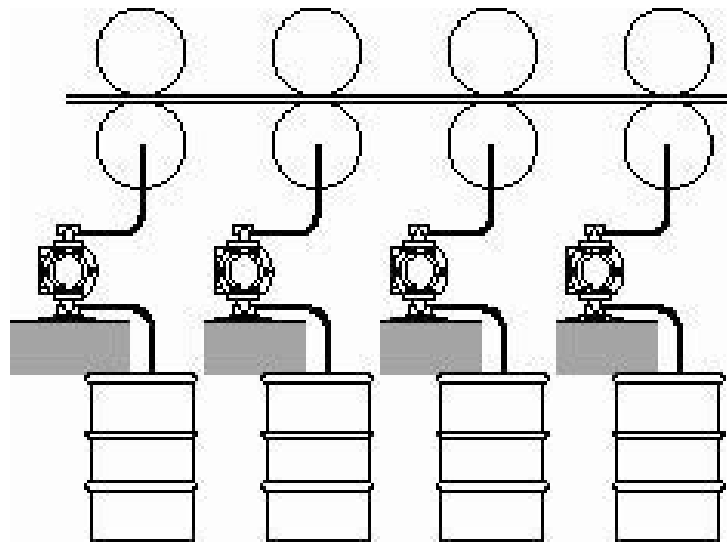


传输胶水，用于工件表面涂覆



# The example of use应用例子

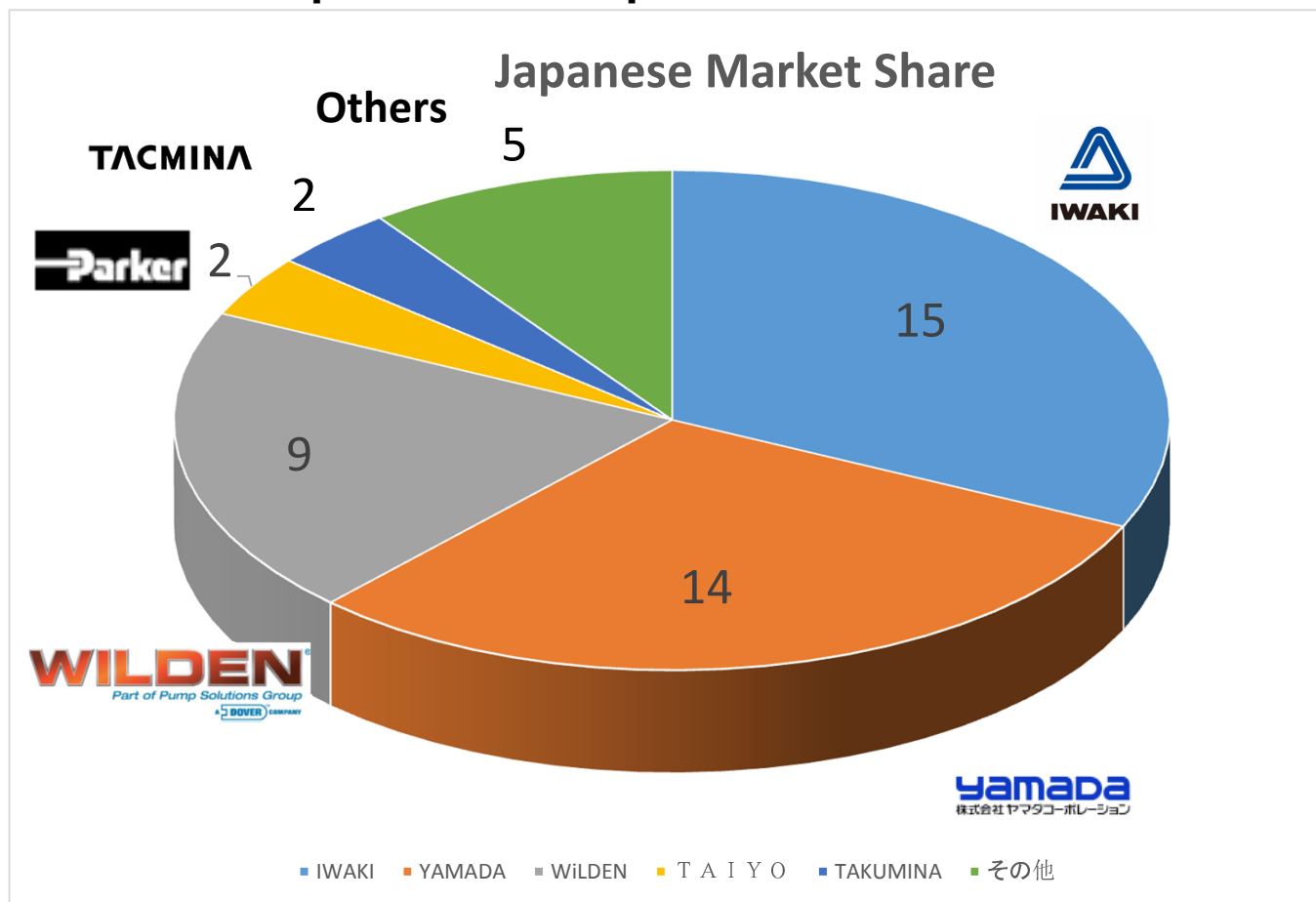
应用于化工行业，用于化学介质传输。



传输油墨，用于印刷设备

# 隔膜泵日本市场容量

Total potential in Japan:US\$47M




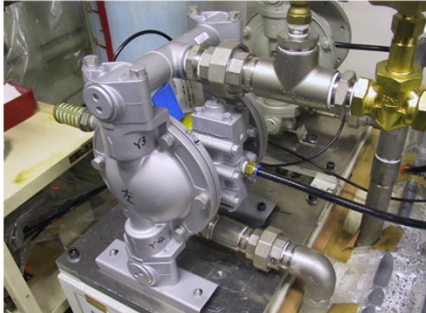

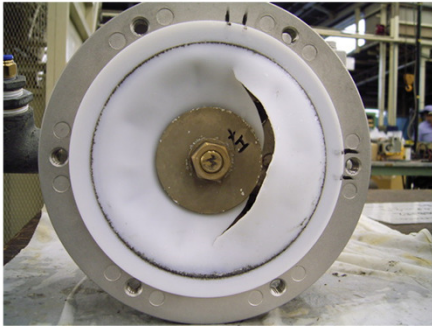
# TAIYO隔膜泵主要特性

**Long Life Diaphragm (PTFE) 长寿命膜片**

**Long Life Air Valve 长寿命气动阀**

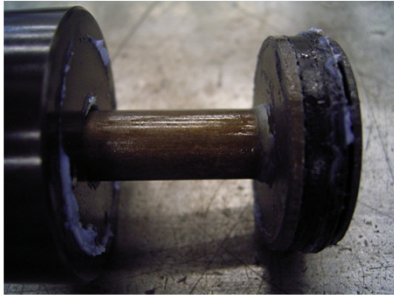
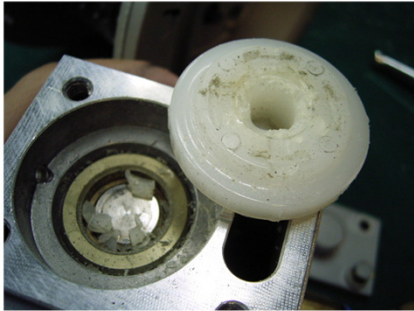


# ① 长寿命膜片

Comparison of durability about diaphragm

	TAIYO	A company
Model	TD 2-25AT	*****
Material	PTFE	
Testing		
Output pressure	0.6M Pa	
Liquid	Water	
Test result	10,140K cycle	1,910K cycle
Photo		

## ②长寿命气动阀

Comparison of durability about Valve

	TAIYO	A company
Type	TD 2-25AT	*****
Output pressure	0.6M Pa	
Liquid	Water	
Test result	10,490K cycle	4,400K cycle
Photo	No problem	Stopper was Broken
		
	No problem	Spring was broken
		

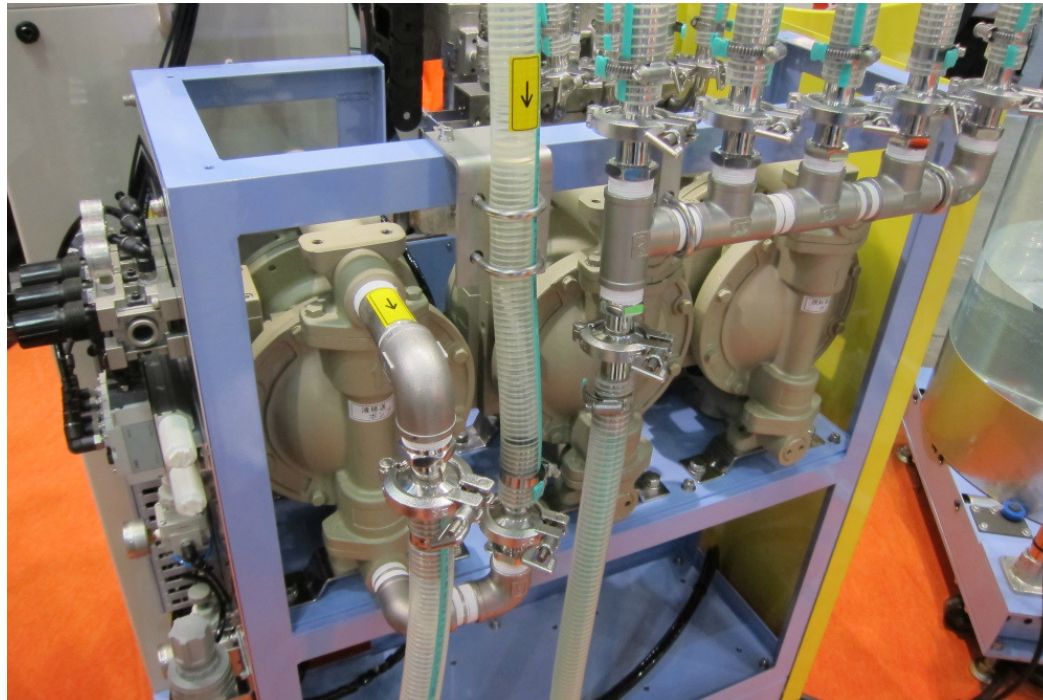


## 2.应用



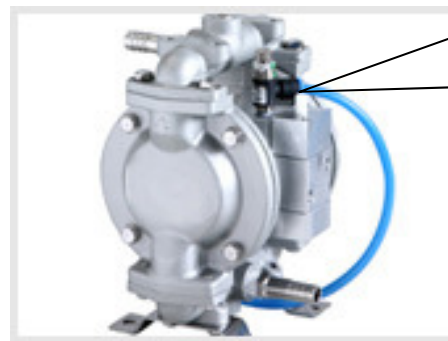
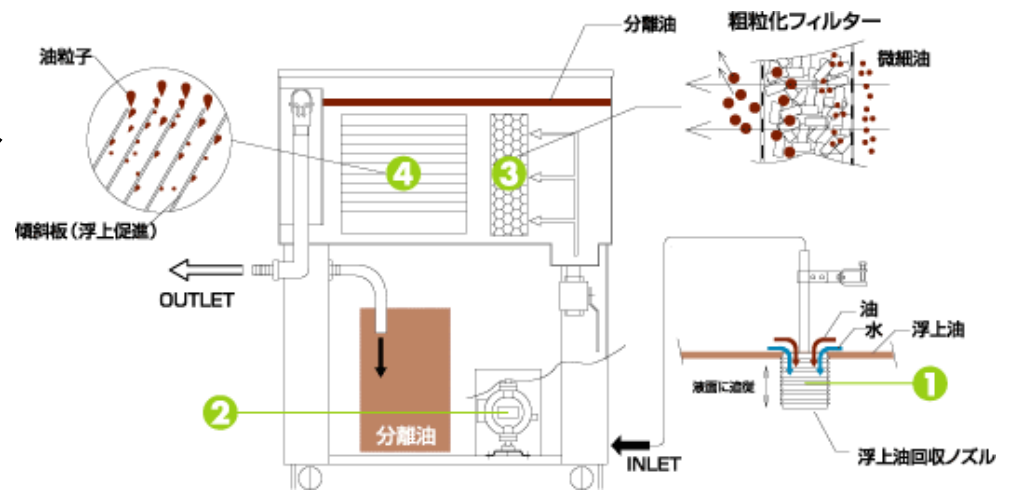
# 液体混合搅拌设备【TD】

化学及喷涂等介质搅拌，防爆认证及高可靠性



# 除油设备【TD】

将洗涤液，洗涤水等中的油份去除

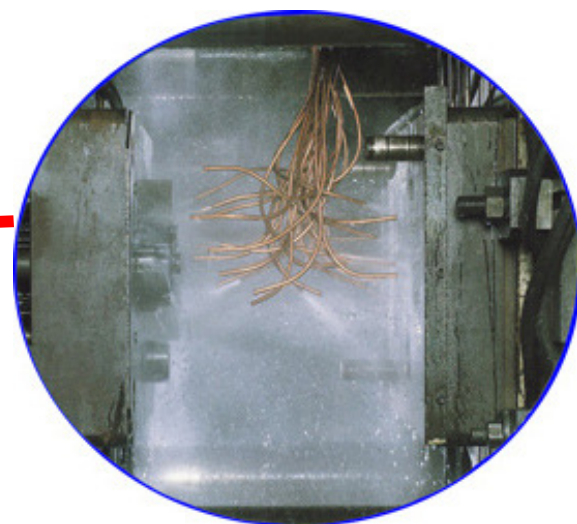


特殊的速度控制阀  
【Patent】专利



# 压铸设备喷涂工艺【TD/ETD】

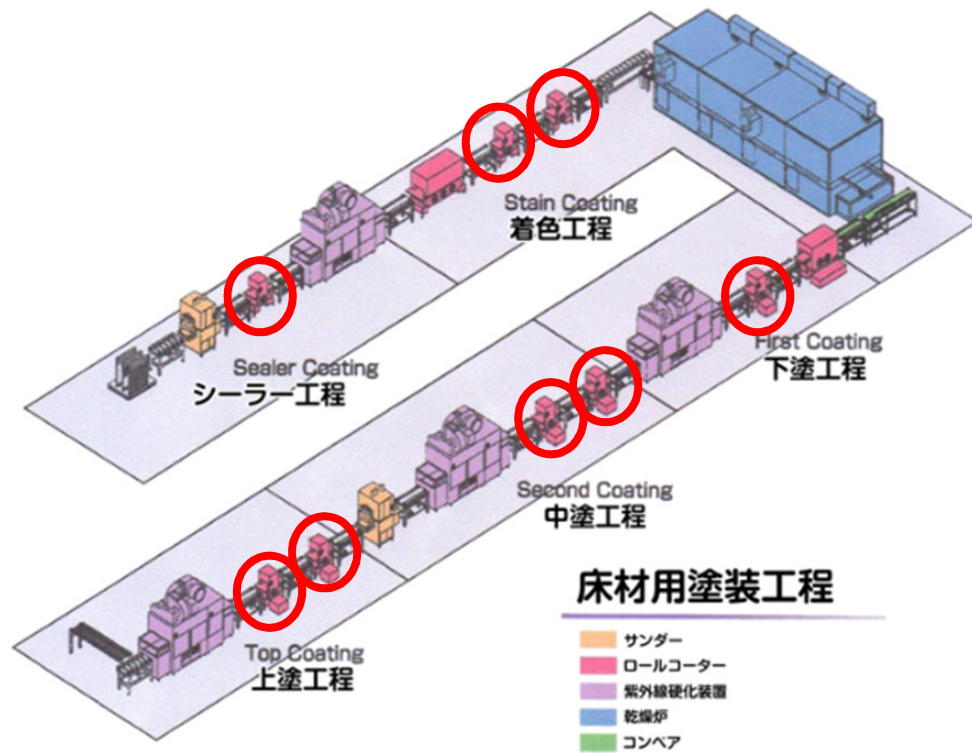
- 用于压铸件表面保护



混合、喷涂设备

# 涂装设备【TD/ETD】

板材或胶卷表面着色及涂装



# 油漆传输循环系统【TD】

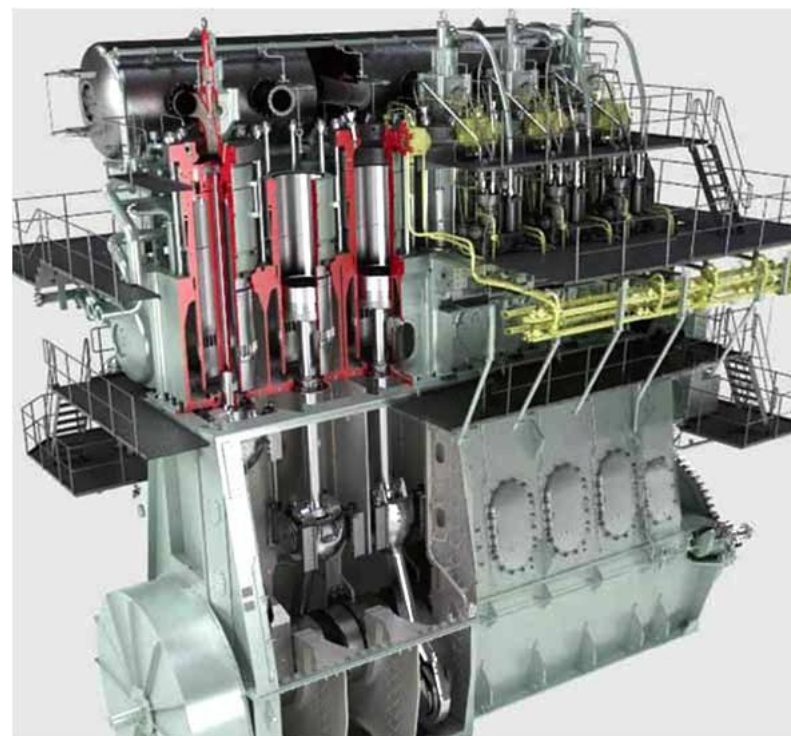
隔膜泵用于油漆喷涂循环系统, **GRACO**隔膜泵在喷漆领域非常强大。





# 作为海工设备燃料紧急备用泵【TD】

当电力系统发生故障时，作为紧急备用泵



# Thank You.

... for building the foundation for Lean



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