

TEDERIC MACHINERY

MOLDING DREAMS

TRX-M&D-M SERIES

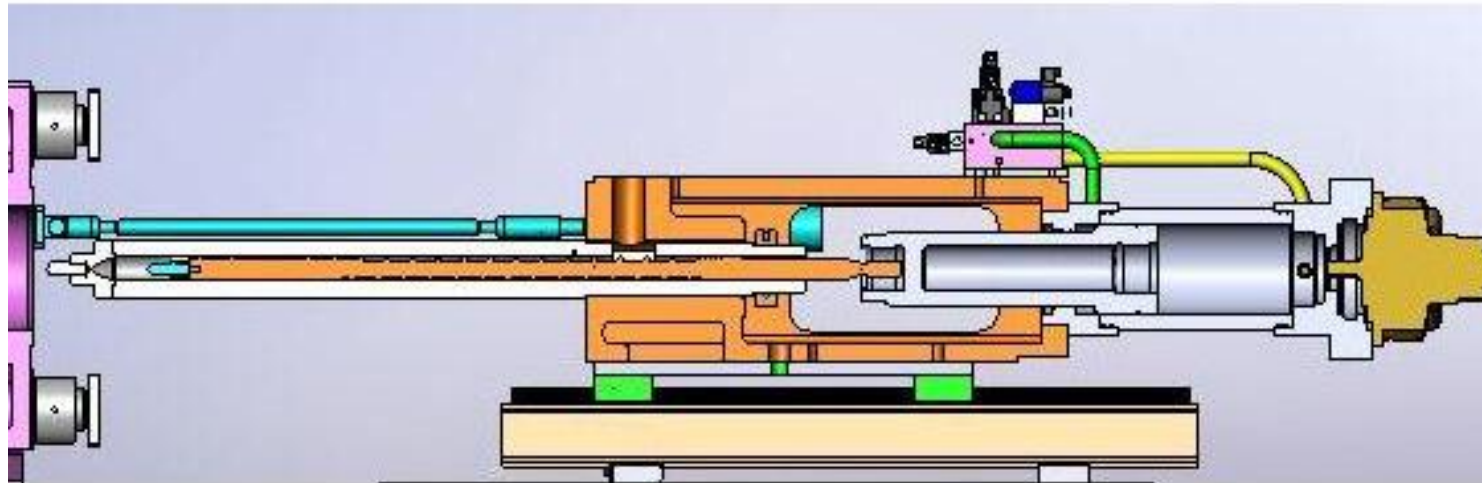
IMM TRX-M&D-M Series Injection
Molding Machine

TRX-M&D-M SERIES IMM
IS TEDERIC'S ONE
PARTICULAR HIGH
PRCISION APPLICATION
VERSION WITH SINGLE
CYLINDER LINEAR TYPE
INJECTION PLASTISIZING
SYSTEM, SO INHERIT MANY
ADVANTAGES FROM TRX&D



STRUCTURE AND PERFORMANCE CHARICTERISTICS

- SINGLE CYLINDER LINEAR TYPE INJECTION SYSTEM, MAKE STRUCTURE MORE COMPACT,NEAT AND NICE
- CONVENIENT FOR POWER TRANSSION, REDUCE MUCH ENERGY CONSUMPTION DURING MANY STEPS' MOTION
- REALISE HIGH SPEED PRISICE INJECTION

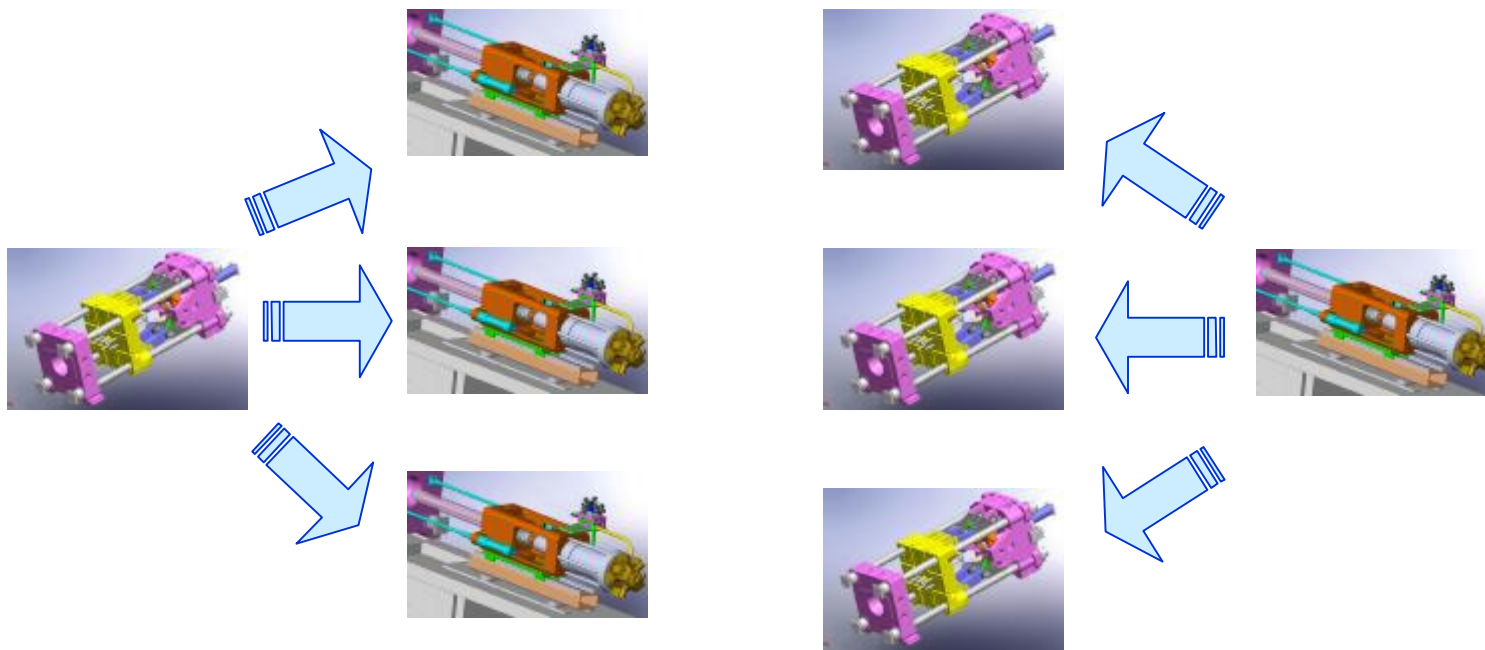


STRUCTURE AND PERFORMANCE CHARICTERISTICS



STRUCTURE AND PERFORMANCE CHARACTERISTICS

MODULE DESIGN

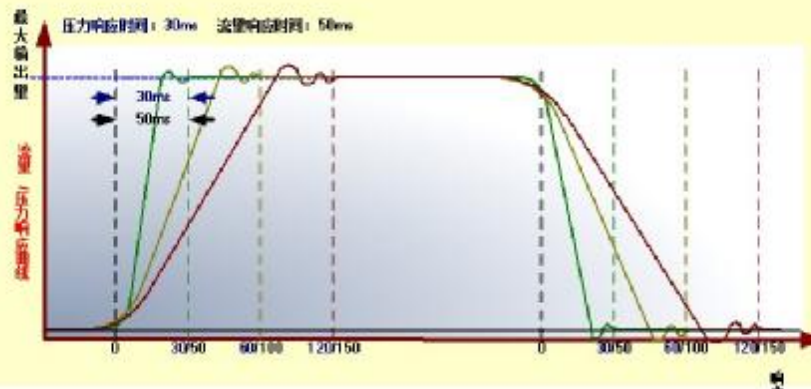
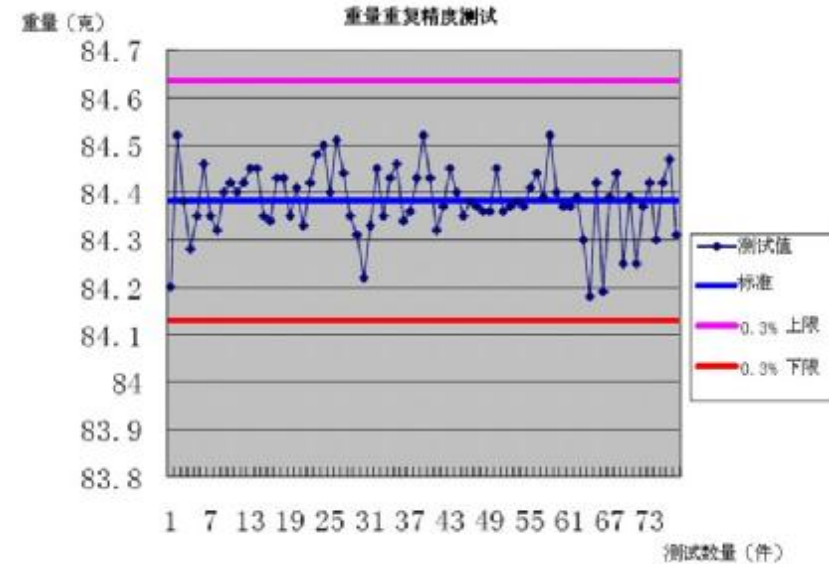


STRUCTURE AND PERFORMANCE CHARICTERISTICS

ALL SERISE ADOPTED WITH HIGH PERFORMANCE SERVO SYSTEM



伺服系统特性：高响应



伺服油泵的响应时间能够达到**0.03s**
(0~压力最大输出量) **0.05s** (0~
流量最大输出量) 相比传统油压动力
控制系统响应速度明显加快, 有效缩
短工作周期, 提高生产效率。

— 伺服油泵
— 定量泵系统
— 变量泵系统

STRUCTURE AND PERFORMANCE CHARACTERISTICS

RATE GRADE 1 ENERGY CONSUMPTION (CHINA DOMESTIC STANDARD)

ENERGY
CONSUMPTION GRADE
1, THAT MEANS EACH
KG ENERGY
CONSUMPTION LESS
THAN 400WH

国家塑料机械产品质量监督检验中心
 National Quality Supervision and Inspection Center of Plastic Machinery
 检测 CNAS L0999
检验报告 20100021802
TEST REPORT

No: SJW20110015 第 1 页 共 3 页 (Page 1 of 3)

样品名称 Sample(s)	塑料注射成型机	检验类别 Test category	客户委托检验
型号规格 Model	TR380/300M	商标 Trademark	TEDERIC
生产日期 Date of Manufacture	/	等级 Grade	合格品
委托单位(客户)名称 Name of Client	泰瑞机械制造(中国)有限公司	样品数量 Receiving Number of Sample(s)	1台
生产单位 Manufacturer	泰瑞机械制造(中国)有限公司	到样日期 Receiving Date of Sample(s)	2011-1-21
检验依据 Test Requirements	GB/T 15320-2001《节能产品评价导则》 (塑料注射成型机能耗检测和等级评定的规范)		
检验项目 Test Item(s)	检测委托合同书编号: 20110869 能耗指标、质量管理体系。		
检验结论 Test Summary	按《塑料注射成型机能效等级和等级评定的规范》和《节能产品评价导则》，泰瑞机械制造(中国)有限公司生产的TR380/300M型数字伺服塑料注射成型机产品能耗等级为1级，能耗指标符合节能产品的技术要求。 泰瑞机械制造(中国)有限公司已建立ISO 9001质量管理体系，能确保持续稳定地生产符合规定要求的产品。 签发日期: 2011年2月10日 Date of Report		
备注 Remarks	/		

批准: 齐丹 审核: 任建东 主检: 马小州
Approved by: 任建东 Verified by: 马小州 Test by: 任建东

STRUCTURE AND PERFORMANCE CHARACTERISTICS

**CLASSIC CASE: MATTEL
TRX80/300M**

**PRECISION TEST
REPEATLY: 1.12%**



**LOAD SENSITIVE TEST:
4.47%**

Dynamic Check Ring Repeatability

Load Sensitivity

Machine #: _____
Mold #: _____
Material Type: _____

of Cavities: _____
Cycle Time: _____
Date: _____

check ring is _____
_____ process _____
_____ cooling time _____
_____ if applicable _____

Purpose : To determine to what degree the molding machine is sensitive to a change in load

- 1) Install the Data Acquisition Device
- 2) Set up the machine to run a standard Decoupled II process
- 3) Turn off Pack and Hold time and pressure
- 4) Make a shot in the mold and record the fill time and the hydraulic pressure at transfer
- 5) Back off the injection unit and install the purge plate if needed.
- 6) Make a shot in the air or through the purge plate and record the fill time and the hydraulic pressure at transfer
- 7) Insert the times and pressures into the load sensitivity equations and calculate the results.

$$\%KSP = \frac{\frac{\text{Mold Fill Time} - \text{Air Fill Time}}{\text{Mold Fill Time}}}{\frac{\text{Mold Peak Pressure} - \text{Air Peak Pressure}}{1000 \text{ PSI (or 10,000 for PPSI)}}$$

Choose Type of Pressure

Hydraulic

Plastic

Fill Time (mold)	0.261	sec
Fill Time (air)	0.251	sec
Peak Pressure (mold)	13420	PSI
Peak Pressure (air)	4850	PSI

Shot: 18

Shot: 17.8

$\frac{\text{Shot} - \text{Lightest Shot}}{\text{Shot Weight}} \times 100$

Results: 1.12%

Range: 3%

Fill in highlighted Areas

Actual Test %
4.47%

Acceptable Range: ±5%

STRUCTURE AND PERFORMANCE CHARACTERISTICS

- LINEAR GUIDE SUPPORTING GUIDER ADOPTED, LESS RESISTANCE WHEN MOVING, ENHANCE PRECISION
- SCREW MODULE DESIGN, AVAILABLE FOR BOTH D-M AND D SERIES, SHORTEN LEAD-TIME



FOCUSING ON HIGH PRECISION APPLICATION



