

MANAGEMENT AND INFORMATION SYSTEM

- Process parameter storage databases: to create, modify or store recipes for on-the-fly download.
- Raw material manager: stored with numerical code and description.
- Blending recipe manager: to create, modify or store blending recipes with numerical code and description.
- Melting profile manager: to create, modify or store melting profiles with numerical code and description.
- Extrusion recipe manager: to create, modify or store extrusion recipes with numerical code and description.
- End product manager: to create or modify coded end products. Each product code is assigned to blending, extrusion and melting temperature recipes.
- Order manger: to create or modify a list of job orders containing useful data for identifying and tracking each order. Each order is assigned a product code.
- Recording of raw material quantity used in the process. Totaling by ingredient.
- Recording of alarm events.
- Statistical process analysis (SPC) for blending and extrusion data.
- Data export for further analyses (Lotus, Excel).

控制及信息系统

- 工艺参数存储数据库: 可建立, 修改, 存储工艺参数, 并可随时下载
- 原材料管理: 可用数字代码以及文字说明的方式存储原料信息
- 混合配方管理: 可用数字代码以及文字说明的方式建立, 修改, 存储配方
- 软化温度管理: 可用数字代码以及文字说明的方式建立, 修改, 存储软化温度参数
- 挤出参数管理: 可用数字代码以及文字说明的方式建立, 修改, 存储挤出参数
- 产品管理: 可建立, 修改产品代码, 每个产品代码均包含混料配方, 挤出参数以及软化温度参数
- 订单管理: 可建立, 修改工作订单列表, 订单包含多种信息供区分及追踪, 每个订单均指配有产品代码
- 可记录生产过程中原材料总计使用量以及每种原材料的合计使用量
- 可记录报警信息
- 可针对混料以及挤出数据进行统计分析
- 可将数据输出做进深度分析 (Lotus, Excel)

REPORTING

- Inventory report viewing and printing: sorting by product code, job order, recipe and date.
- Quality report viewing and printing: sorting by job order.

报告

- 产品报告可按照产品代码, 订单号, 配方以及日期查看并打印:
- 质量报告可按照订单号查看并打印报告



DOTEXA MANAGER

EXTRUSION LINE INTEGRATED
MANAGEMENT SYSTEM



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SIMPLE AND EASY MANAGEMENT OF THE EXTRUSION LINE

Manage system operation from a single station. Easily and quickly set the operating parameters with precision. Recall previously stored settings, ensuring fast line start-up and changeover. Print production and consumption reports (optional). Monitor the process in real time, with immediate and detailed warning of any faults or malfunction. Supply process information needed to validate the manufacturing process as required by quality assurance. Network connection to factory supervisor.

简单易用的挤出生产线管理

所有管理系统操作均可在同一面板完成
可精确简单快捷地设置操作参数
可调用储存参数，保证快速启动产线及更换产品
可打印生产及原料消耗报告（可选）
可实时监测生产过程，迅速详细的对任何错误及故障进行报警
可按品质要求提供必要的生产信息以确保生产过程顺利
系统可同管理人员联网

COMPLETE CONTROL OF PROCESS FUNCTIONS

An advanced system designed for maximum operator convenience in managing extrusion process, thanks to the touch screen, DOTEXA supplies an intuitive user interface and makes operating an extrusion line easier than ever. Provides complete monitoring and control of the extrusion process and functions: resin loading, materials blending, gravimetric feeding, extrusion pressure and temperature, cooling and calibration, thickness profiling, extruder, takeoff and auxiliary equipment speed (on request).

针对生产功能的完整控制

所有管理系统操作均可在同一面板完成
可精确简单快捷地设置操作参数
可调用储存参数，保证快速启动产线及更换产品
可打印生产及原料消耗报告（可选）
可实时监测生产过程，迅速详细的对任何错误及故障进行报警
可按品质要求提供必要的生产信息以确保生产过程顺利
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HARDWARE

- Main control cabinet with:
 - Industrial PC 19" SXGA color TFT display with touch screen (resistive).
 - CPU Board Intel Core2 Duo L7400 1.5 GHz, 667 MHz FSB, 4 MB L2 cache.
 - Heavy duty 40 GB hard disk.
 - Microsoft OEM Windows XP Professional Service Pack 3, CD, multilanguage.
 - Master I/O module, CPU x86 100 MHz Intel compatible (supplied if manual line management is required).
 - Operator console for manual line control (supplied if manual line management is required).
- Remote I/O modules from market leader producers, supplied according to system configuration.

硬件配置

- 主控制柜
 - 19寸彩色液晶工业触摸屏（电阻式）
 - 英特尔酷睿2双核处理器，4MB缓存
 - 高强度40GB硬盘
 - 微软XP订制专业版多语言操作系统
 - 主机带输入输出模块
 - 手工操作控制台
- 远程控制模块

SOFTWARE MODULES AVAILABLE

- Manual line management (remote I/O modules required).
- Resin loading: monitoring and setting. Available loading active control as an option.
- Gravimetric blending: data viewing, data setting, recipe storage.
- Extrusion: data viewing, data setting, recipe storage.
- Resin melting monitoring: setting and monitoring of digital temperature controller (not supplied, serial port required).
- Resin melting control: setting, monitoring and control (PID control algorithms) of all heating and cooling zones (remote I/O modules required).
- Lay flat width interfacing: setting and monitoring through W-SCAN system.
- Internal Bubble Cooling interfacing: setting and monitoring through IBC Control System.
- Cage control system interfacing: setting and monitoring through KALIBRO System.
- Thickness profiling interfacing: polar and Cartesian plots.
- Auto profile: polar and Cartesian plots.
- Alarm and event warning.
- Short term alarm display.
- Modem assistance.
- Customer auxiliary equipment interfacing: monitoring.

软件模块

- 人工操作
- 树脂上料：监控及参数设置
- 失重式混料：查看，设置，储存参数
- 树脂软化监控：设置及监控数字温度控制器
- 树脂软化控制：设置，监控，控制所有加热及冷却区域
- 宽度控制接口：通过W-SCAN系统设置及监控宽度内冷接口：通
- 过IBC控制系统设置及监控泡膜
- 稳泡架控制系统接口：通过KALIBRO系统设置及控制稳泡架
- 膜厚：极限图及圆环图
- 自动调整膜厚：极限图及圆环图
- 故障及事件报警
- 短时间报警显示
- 调制解调器辅助设备
- 客户辅助监控设备接口

