COLLIN

LAB & PILOT SOLUTIONS



PRODUCTS

产品介绍

NGA GROUP

PLASTIC SOLUTIONS WORLDWIDE

www.collin-solutions.com

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Press 压片机



P 300 SV (Vacuum)



P 300 S



P 300 E+

Press S

- Quality and process control
- Easy multi-step test programming
- Servo hydraulic for high pressure accuracy
- Copper platen core for high temperature accuracy up to 300°C

S型压片机

- 用于质量与工艺控制
- 简单的多步序压片设置
- 伺服液压系统，确保高精度压力控制
- 铜制加热板，确保300℃时温度依旧保持高精度控制

Options

- Platen Size 200 / 300 / 400 / 500 mm
- Double Daylight
- High Temperature (up to 450°C)
- Increased Pressure
- Vacuum press

Alternative Press E, E air, SV and P

可选配置

- 压板尺寸 200/300/400/500 mm
- 可升级至双层压片机
- 可升级至高温压片机（最高可达450℃）
- 压力升级
- 真空压片机

其他型号：E型、E air型、SV型和P型压片机

Extruder 单螺杆挤出机



E 30 P



E 20 E

Extruder

- Entrance E or P Professional version
- For laboratory operations, R&D, production
- Different sizes for different requirements

单螺杆挤出机

- 入门级E型 或 专业级P型
- 适用于实验室操作、研发、生产
- 不同尺寸满足不同应用需求

Options

- Various downstream systems – depending on requirements
- Compact design / operater friendly
- Numerous additional options eg. variable feeding bushes, wide range of screw design, high temperature, high torque
- COLLIN also offers extruders for the processing of rubber and ceramic

可选配置

- 多类型挤出机下游系统配置 – 根据应用需求而定
- 设计紧凑 / 操作友好
- 多种附加选配设计
  例如：多种不同挤出机进料区套管设计
  多种螺杆设计
  可应对高温工况设计
  螺杆高扭矩设计
- COLLIN 还提供用于橡胶和陶瓷加工的挤出机

Compounder 双螺杆混料挤出造粒机



ZK 25 E



ZK 25 P



Pelletizer SP



Water bath WB 850



Teach Line Compounder ZK 25 x 24 D

Quality Control / Application Engineering

- TEACH LINE Compounder, Waterbath, Pelletizer
- Co-rotating and Counter rotating
- Gravimetric or volumetric feeding
- Compounders LAB LINE E Entrance and P Professional

质量控制/应用工程领域

- 双螺杆混料挤出机，水浴，造粒机
- 双螺杆同向，以及反向旋转
- 失重或体积定量喂料装置
- LAB LINE系列双螺杆混料挤出机：入门级E型 与 专业级P型

Options

- Diameter 12 / 16 / 25 / 35 mm
- Length 18 - 60 D
- High Temperature (max 500 °C)
- Water cooling
- Side feeding
- Liquid feeding
- Degassing
- Melt pump
- Water bath length up to 3,0 m
- Hot Air / Underwater pelletizer

可选配置

- 不同螺杆尺寸12/16/25/35 mm
- 挤出机长径比 18–60
- 可升级至高温挤出机（最高500℃）
- 全机身水冷控温
- 挤出机侧位进料
- 挤出机液体进料
- 排气系统
- 熔体泵
- 长达3米的水浴
- 热风/水下造粒

Roll Mill 开炼机



W 150 M



W 110 E



W 150 P

Roll Mill

- Quality and process control
- Easy multi-step test programming
- Electrical 3 zone heating

开炼机

- 用于质量和工艺控制
- 简单的多步序开炼设置
- 三区电加热

Options

- Entrance type (E)
- Roll diameter 110 / 150 mm
- High Temperature (up to 450°C)
- Water / Oil tempered
- Automatic lay-over
- Automatic take-off
- Rubber type with increased drive power

可选配置

- E型压片机
- 辊径 110/150 mm
- 可升级至高温开炼机（最高可达450℃）
- 可通过水/油控温
- 自动翻混系统
- 自动薄膜牵出辊
- 橡胶型高驱动功率开炼机

Blown Film 吹膜机



5-layer Co-Ex BL 400 E



BL 400 P

Quality Control / Application Engineering

- Extruder, Mono Die, Blown Film Tower
- Compact design
- Quick change of products and parameters

质量控制/应用工程领域

- 挤出机，单层膜头，吹膜塔
- 紧凑型设计
- 快速改变产品线与工艺参数

Options

- Blown film unit 400, 600, 800 mm
- Entrance type (E)
- Extruder 20 / 25 / 30 / 45 / 60 mm
- Co-extrusion up to 9 layers / lay-flat control
- Tower height adjustable
- Thickness measurement
- Camera system (Gel Counter)
- Anti-static bar
- Corona Treater
- Bubble slitting
- Improved winding

可选配置

- 不同辊宽的吹膜机400,600,800 mm
- E型吹膜塔
- 不同螺杆尺寸的挤出机类型 20/25/30/45/60 mm
- 高达9层共挤出吹膜，配备薄膜折径控制系统
- 吹膜塔高度可调
- 薄膜厚度测量
- 光学薄膜缺陷检测系统(凝胶计数器)
- 除静电系统
- 电晕处理系统
- 膜泡切边系统
- 高级收卷系统



BL 400 P with Gel Counter

Cast Film 流延膜机



CR 144/144-350



CR 72/144/144-200

Cast Film

- For the production of films or sheets
- Units with 2 or 3 rolls
- Modular design
- Different types of take-off rolls, edge cuttings, measuring instruments or unwinders and winders
- Design of the rolls according to the customer requirements such as for example speed, roll width, roll coating etc.
- Downstream equipment can be implemented flexibly

流延膜机

- 用于生产薄膜或片材
- 配备2辊或3辊型流延冷辊
- 模块化设计
- 多种不同类型的牵引辊、切边装置、测量仪器或放卷/收卷装置
- 根据客户实际应用需求进行冷辊定制化设计，如辊速、辊宽、辊面涂层等
- 流延膜机下游对应深加工处理设备也可根据客户实际应用需求进行灵活配置



COFICOS200

COFICOS200 / 400

- Inspection line with single-screw film extruder, chill roll and camera inspection unit
- For a film width of 200 mm and up to 400 mm (COFICOS 400)
- Compact design, movable
- Good ergonomic accessibility to all components
- High flexibility regarding optionally available equipment
- Including film production unit (optional with camera), take-off unit, winder or cutting device

COFICOS200 / 400

- 该款流延膜检测线由单螺杆挤出机、流延冷辊单元，以及光学薄膜缺陷检测单元组成
- 适用于200mm及高达400mm（COFICOS 400）的薄膜宽度
- 紧凑型设计，可移动
- 所有组件均具有良好的人体工程学设计，便于操作
- 产品具有高度灵活性，可选配多种其他辅助设备
- 包括薄膜生产单元（可选配光学薄膜缺陷检测系统）、薄膜牵引单元、薄膜收卷装置或薄膜裁切装置

Medical Tube 医疗管线



Medical Tube line

- Extruder, Mono / Co Ex (up to 5 layer)
- Embedded length stripe (Barium Sulfat - up to 4)
- Diameter 0,8 - 15 mm
- Speed max. 100 m/min

医疗管线

- 挤出机,单层/多层共挤出（高达5层医疗管线）
- 医疗管可嵌入轴向条纹（硫酸钡，最多4条）
- 管线直径在0.8–15 mm之间
- 最大生产速度100 m/min

Options

- Side stripe for Bariumsulfate
- Cutting unit
- High Temperature up to 450 °C
- Highly customized

可选配置

- 管线侧边硫酸钡条纹
- 管线切割单元
- 挤出机工作温度可最高升级至450℃
- 高度定制化解决方案

Online Viscometer 在线粘度计



MOV Online Viscometer

MOV

The online viscometer of COLLIN provides a continuous control of the melting viscosity on a production extruder.

Two melt pumps with only a single drive ensure that the melt is kept under control permanently. The COLLIN Polytest Line measuring device has a compact design. Furthermore, it is characterized by the flexibility and the closed material circulation.

单毛细管在线粘度计

COLLIN在线粘度计可与挤出机相接，实现熔体粘度的实时连续控制。

毛细管两端配有两个熔体泵，确保熔体　定控制。紧凑型设计，应用灵活，熔体测试后可返回挤出机系统。

Specialities 特殊定制线



Modular Extrusion Lines

Highly customized mono and co-extrusion lines for R&D, application engineering and production of

- Packaging films
- Technical films
- Medical applications

- Operator friendly
- Modular and upgradeable design
- Flat film, blown film
- Embossing, coating / lamination
- In-/off line embossing
- Tubes

Integration of

- Side trim
- Corona treatment
- Gauge measurement / control
- Additional un- / winder

Easy to operate lines with a high variability in throughput and operational speed.

模块化挤出产线

高度定制化的单/多层共挤生产线，可用于以下领域的研发、工程应用及生产：

- 薄膜包装领域
- 特种薄膜技术研发领域
- 医疗应用领域

- 操作友好型设计
- 模块化及可升级设计
- 流延膜、吹膜
- 薄膜压花、涂布/复合
- 薄膜在线/离线压花
- 管材挤出线

可集成选配以下配置：

- 薄膜废边切除
- 薄膜电晕处理
- 薄膜厚度测量/控制
- 额外放卷/收卷单元

产品操作简单灵活，产量高度灵活可控

台灣代理商

勝東實業股份有限公司

台北市復興北路57號6樓

Tel: 886-(0)2-2772 2900

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COLLIN
LAB & PILOT SOLUTIONS



COLLIN Lab & Pilot Solutions GmbH
Gewerbestrasse 11
83558 Maitenbeth, Germany
T: +49 (0) 8076 / 27 40-0, F: +49 (0) 8076 / 27 40-1001
info@collin-solutions.com

GPS:
48°15‘76.5“N
12°10‘68.3“E

COLLIN Lab & Pilot Solutions, Inc.
5126 S Royal Atlanta Dr.
Tucker, GA 30084, USA
T: +1 (678) 325-6708

GPS:
33°85’58.27”N
-84°18’00.48”W

www.argewerber.at

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Responsible for the content: COLLIN Lab & Pilot Solutions GmbH, Gewerbestrasse 11, 83558 Maitenbeth, Germany
Concept and text: Dr. Isabella Pichler PR & Unternehmenskommunikation
Concept and graphic: Grafik-Buero Elena Gratzer
Photos: Grafik-Buero Elena Gratzer, Marc Oeder, Christian Flamm

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