



Combima R3 | L12

Details ❖
详细

Combima R3

Combima L12

边带材料
卷式

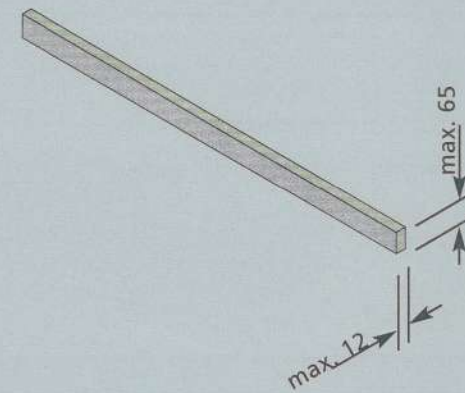
Edging material:
Coils

* [最大横截面 120mm²]
[max. cross section 120 mm²]



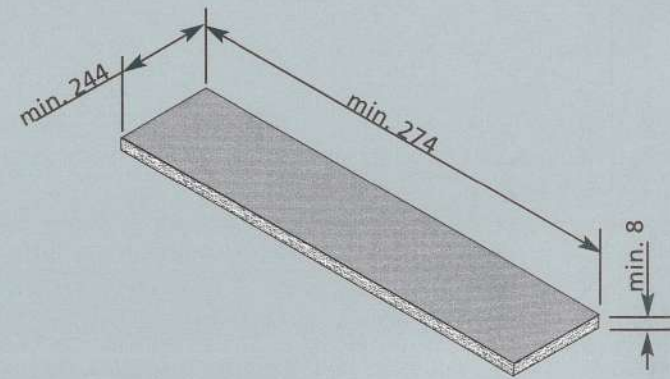
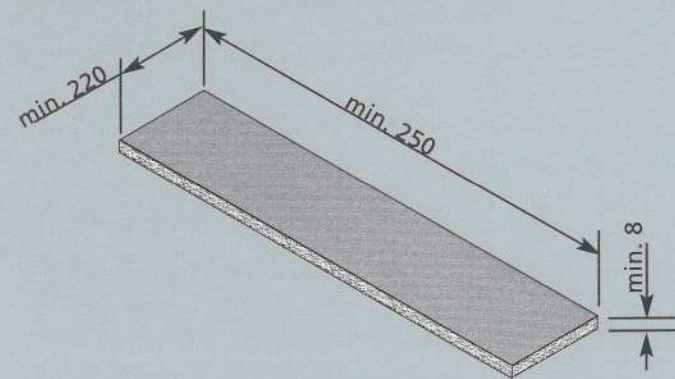
边带材料
实木条

Edging material:
Solid wood lippings



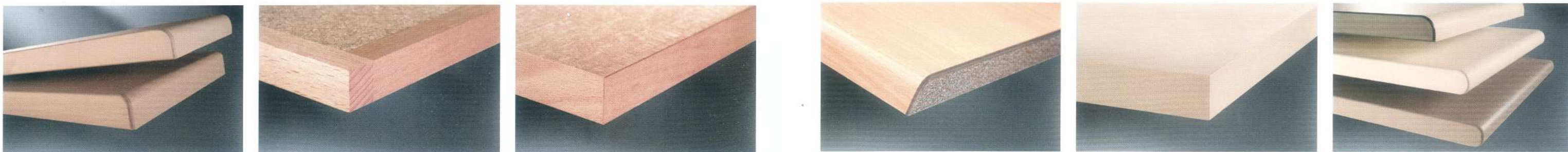
最小工件

Smallest panel:



所有尺寸以毫米为单位
Dimensions in millimetre.

❖ Combima R3 | L12
满足高要求
❖ for high requirements



Combima 系列封边机

- A 单边封边加工
- B 1 1/2 封边加工
- C 双端封边加工

Combima series

- A Single sided processing
- B 1 1/2 sided processing
- C 2 sided processing

❖ Combima R3 | L12

Combima 通过实用的基本装备以及最大的人性化操作来满足所有加工要求

其极度稳定的机器构造方式加上耐磨的精密装置使得这个系列在考虑到生产能力及质量的同时满足非常特殊的需求。

这个系列的双端封可用于如下封边：

Combima R3 用于最大厚度为 3mm 的封边带

Combima L12 用于最大厚度为

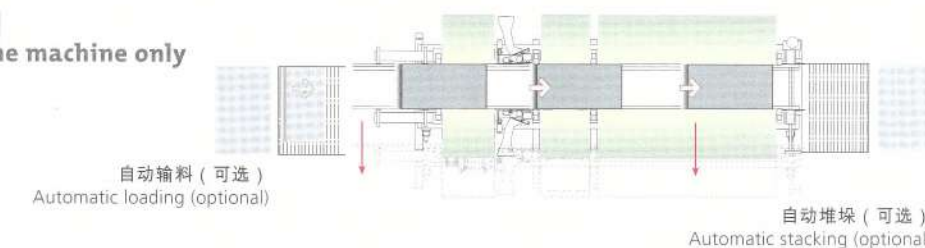
3mm 的封边带以及最大厚度为 12mm 的实木条封边带

Combima with very user-friendly and practical basic equipment.

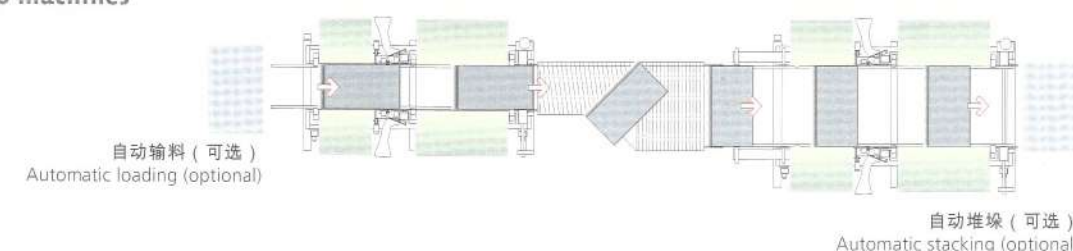
This series meets especially high requirements in regards to capacity, quality and durability due to its very solid and rigid designed machine base combined with the long life precision aggregates.

Combima is available in the versions Combima R3 for coil material up to 3 mm thick and Combima L 12 for coil material up to 3 mm thick and solid wood strips up to 12 mm.

只用一台双端封边机进行纵向和横向双端封边 |
Length and cross wise processing by using one machine only

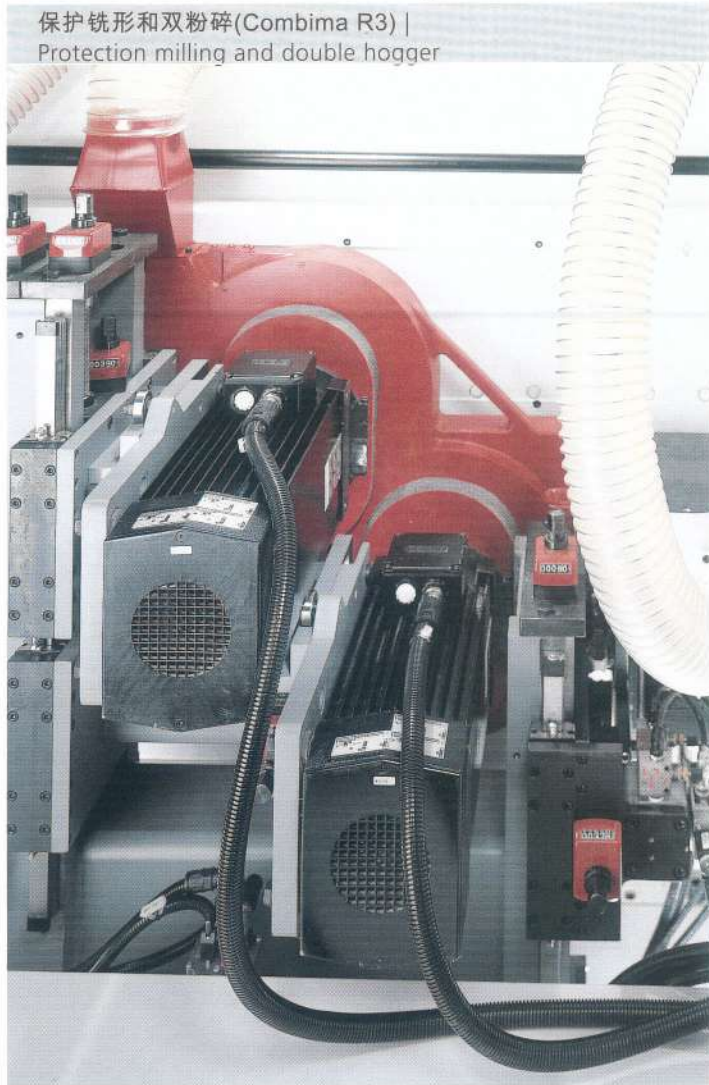


生产线-由两台机器组成 |
Production line consisting of two machines



板件铣形 | Panel sizing

保护铣形和双粉碎(Combima R3) |
Protection milling and double hogger



开槽锯和粉碎(Combima R12) |
Scoring saw and hogger

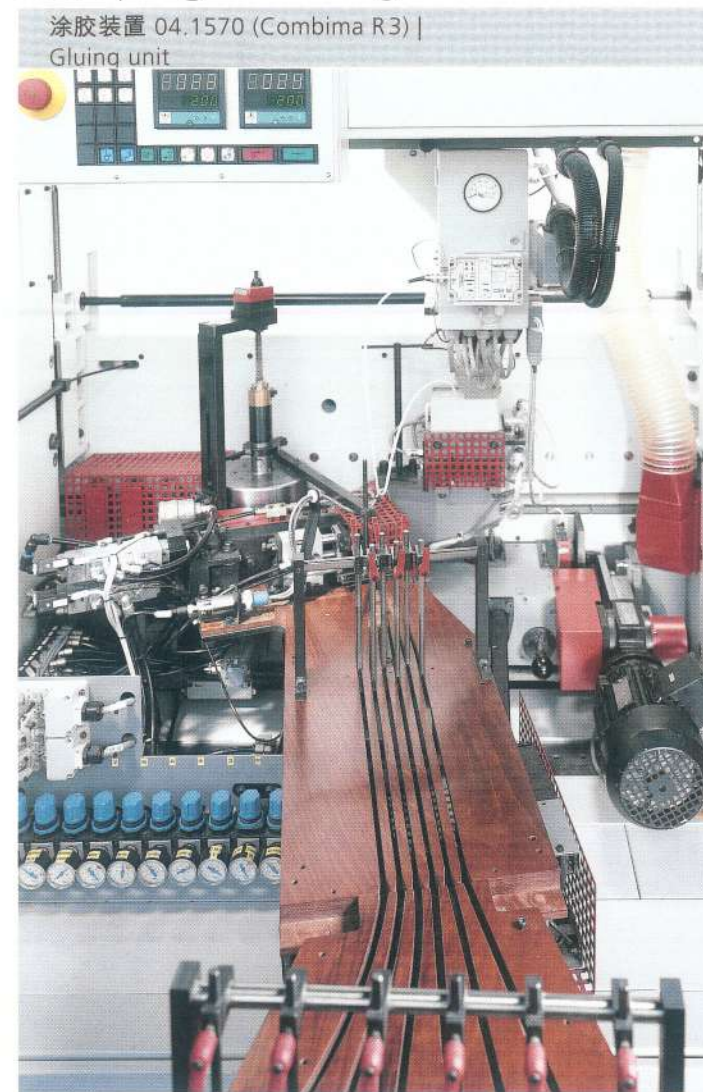


❖ Combima R3 | L12 基本配置

❖ Basic equipment

涂胶 | Edge banding

涂胶装置 04.1570 (Combima R3) |
Gluing unit



涂胶装置 283.1513 (Combima L12) |
Gluing unit



板件铣形

- 保护铣形和双粉碎(Combima R3)
- 开槽锯和粉碎(Combima R12)

涂胶

- 涂胶装置04.1570 (Combima R3)
- 涂胶装置283.1513 (Combima L12)

前后修边

- 前后修边装置08.42(Combima R3 可选)

Panel sizing

- Protection milling and double hogger (Combima R3)
- Scoring saw and hogger (Combima L12)

Edge banding

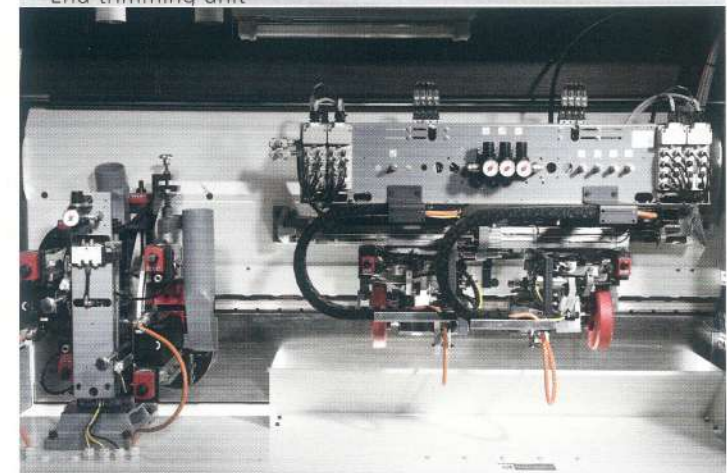
- Gluing unit 04.1570 (Combima R3)
- Gluing unit 283.1513 (Combima L12)

End trimming

- End trimming unit 08.42 (optional Combima R3)

Kappen | End trimming

前后修边装置08.42(Combima R3 可选) |
End trimming unit



❖ Combima R3 | L12

加工装置的模块化系统

❖ Modular system of processing units

- 1** 修边+仿型修边

 - 修边单元08.0555 (粗修)
 - 修边单元 08.055 (精修+圆弧修边)
 - 多功能-圆弧修边单元08.0587 (精修+圆弧修边)
 - 伺服-MFA08.342 (精修+圆弧修边+跟踪倒角)
 - 轮廓铣型单元 (KFA)
 - 摆臂跟踪单元 (SKF)

2 刮刀

 - 圆弧刮刀单元 08.515
 - 平刮刀单元 08.521
 - 多功能-圆弧刮刀单元

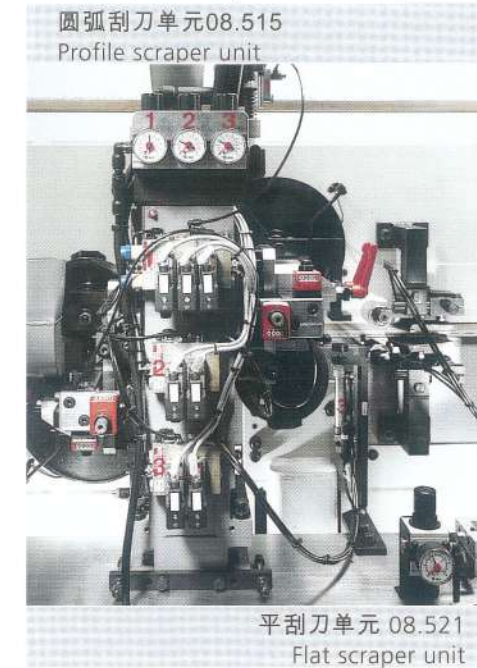
Milling + contour trimming

 - Milling unit 08.0555 (pre-milling)
 - Milling unit 08.055 (fine milling + profile milling)
 - Multi-profile milling unit 08.0587 (fine milling + profile milling)
 - Servo-MFA 08.342 (fine milling + profile milling + contour trimming)
 - Contour milling unit (KFA)
 - Contour trimming unit (SKF)

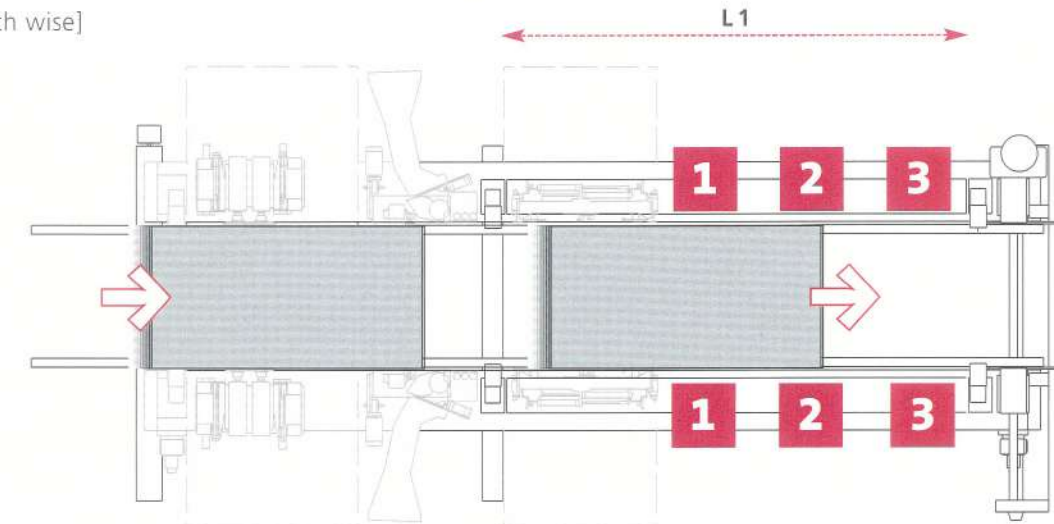
Scraper

 - Profile scraper unit 08.515
 - Flat scraper unit 08.521
 - Multi-profile scraper unit 08.516

刮刀 | Scraper



纵向加工机器 | First machine [length wise]



修边+仿型修边 | Milling + Contour trimming



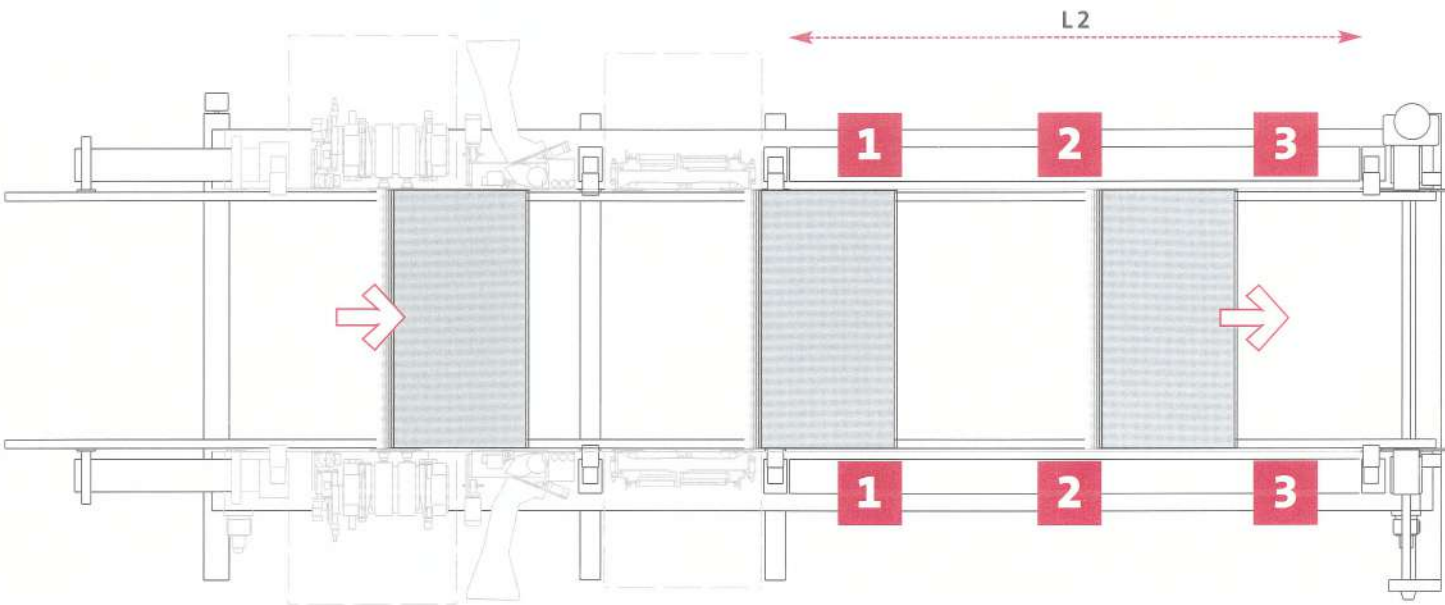
修边+仿型修边 | Milling + Contour trimming



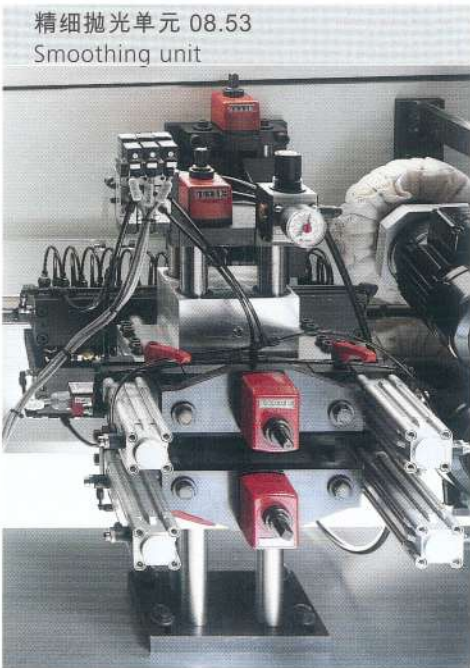
修边+开槽+ 仿形加工 · Finish | Grooving + Rebating + Profiling



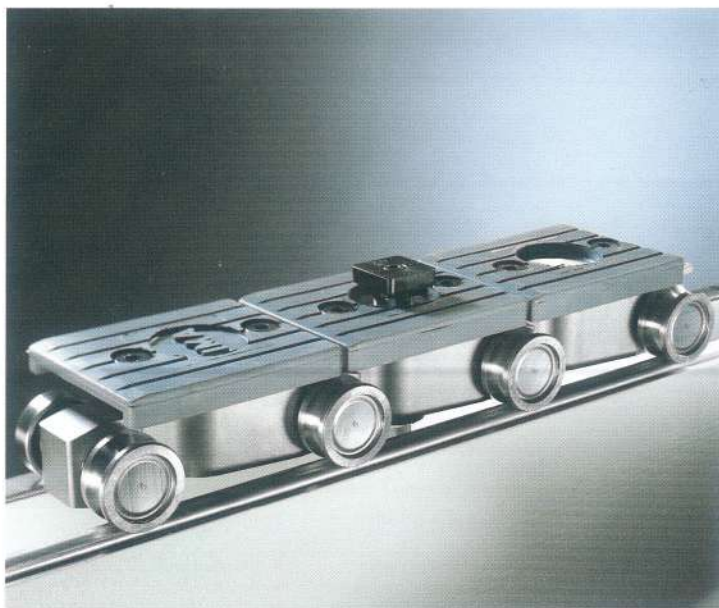
- 3
- 修边+开槽+仿形加工
- 摆动式抛光单元08.614 摆动式
 - 仿型摆动式抛光单元 08.604
 - 摆动式抛光单元 08.617-2
 - 精细抛光单元08.53
 - 圆弧砂光单元08.063
 - 砂光单元08.062
 - 修边单元75.30
- Finish | Grooving + Rebating + Profiling
- Buffing unit 08.614 oscillating
 - Contour buffing unit 08.604
 - Buffing unit 08.617-2
 - Smoothing unit 08.53
 - Profile sanding unit 08.063
 - Sanding unit 08.062
 - Milling unit 75.30



修边 | 开槽+仿形加工
Finish | Grooving + Rebating + Profiling



横向加工机器 | Second machine [cross wise]

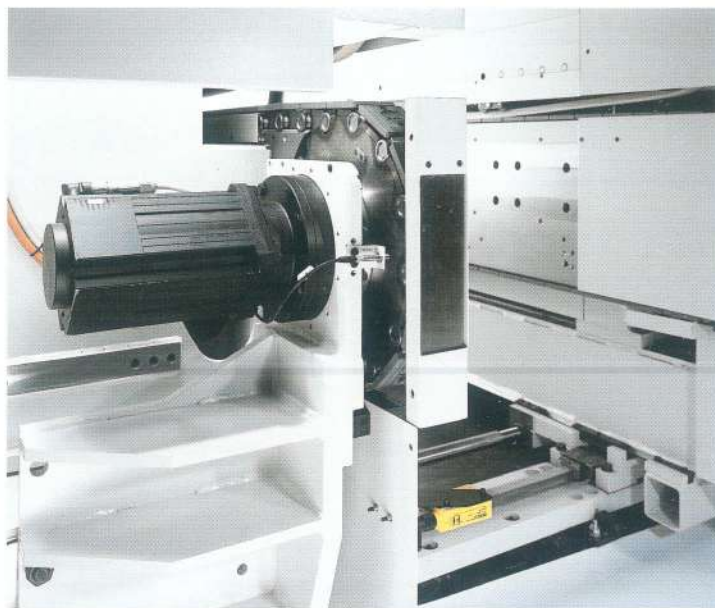


滚动链条

- 免维护精准链条
- 半圆导轨和平导轨精准单边导引
- 滚球轴承作为滚轮，驱动力最小
- 坚固链块和连接链块的滚针轴承确保链条极高的稳定性

Rolling chain

- Almost maintenance-free precision chain
- Precise lateral guiding with semicircle and flat guides
- Minimum drive power due to ball bearings as rollers
- Extremely high stability due to solid chain elements and needle bearings at the connection points of the chain elements

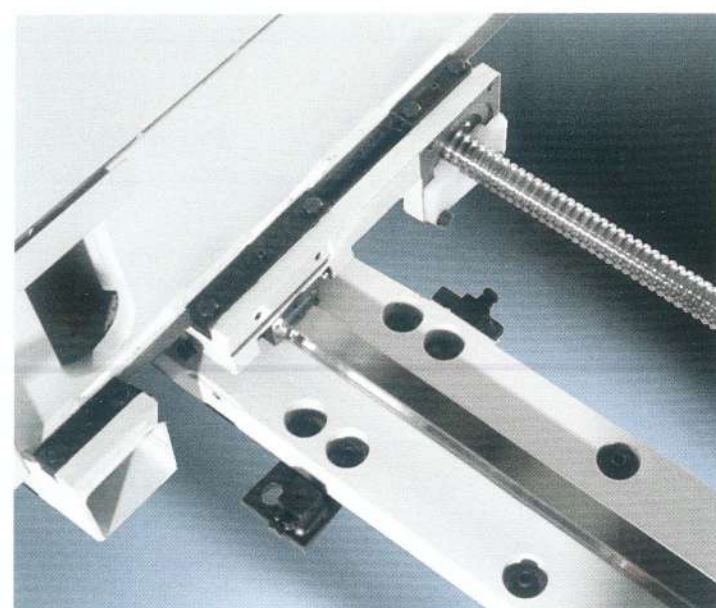


进料驱动

- 电子控制主从式驱动系统
- 较少的机械部件，最小的机械磨损
- 第二台机器的控制参数可轻易调整靠档，确保板件轨方。对于不同加工宽度和不同板件都能确保90度直角的精准性

Feed drive

- Electronically controlled MASTER & SLAVE drive system
- Minimum wear and tear due to less mechanical components
- Easy dog adjustment by control parameters for second machines to ensure square/rectangular panels. Consistent high accuracy of the 90° angle regardless of the panel load and working width of the machine



宽度调节

- 全自动程控宽度调节
- 电子控制主从式宽度调节系统
- 较少的机械部件，最小的机械磨损
- 采用线性导轨和滚珠螺旋轴确保高精度

Width adjustment

- Fully automatic, program-controlled width adjustment
- Electronically controlled MASTER & SLAVE width adjustment system
- Minimum wear and tear due to less mechanical components
- High precision by the use of linear guides and ball screw spindles



中央支撑

- 第二台机器配置自对中中央支撑，防止大板件下垂
- 加工窄板件时，中央支撑降低，因此中央支撑的使用不会减小板件最小加工宽度

Centre support

- Self-centring centre support for second machines to prevent the panels from sagging at large working widths
- The centre support is lowered to process narrow workpieces. The use of the centre support therefore does not reduce the minimum working width

ICOS open 控制系统 Control system

ICOS open 是先进的计算机控制系统，确保了简易的操作，编程，控制以及对机器性能的监控。

- 简单的，和window相似的菜单
- 程序气动后轴马达进行加工装置定位（可选）
- 生产中精确调节
- 显示机器和操作信息，例如当前程序，板件数量，米数，错误
- 标准化界面
- 标准程序语言(IEC 61131)

ICOS open, the modern PC control system, easy operation, programming, control and monitoring of the machine functions.

- Easy menu operation similar to Windows™
- Unit positioning after program start with axis motors [optional]
- Fine adjustment during production
- Display of machine and operating information such as current program, number of pieces, metres, faults
- Standardized interface
- Standardized programming language [IEC 61131]

采用NC数控轴电机进行程控调整
Program-controlled adjustments using NC axis motors



ICOS Open



	Combima R3	Combima L12
机器 MACHINE		
运行速度 Track speed	10 – 50 m/min	10 – 50 m/min
最大加工速度取决于齐头单元和仿型单元以及MFA和KFA) (The max. track speed rate depends on the end trimming and contour trimming units as well as on the MFA and KFA units)	电子可调 electronically controlled	电子可调 electronically controlled
从链轨开始的板件外悬 (包括边带) Panel overhang from the chain track (including edging)	30 mm 或者 可选调节至 80 mm 30 mm or optionally adjustable up 80 mm (38mm , 当使用多功能刮边装置时) (38 mm when using the multiple trimming scraping units)	42 mm, 或者 可选调节至 80 mm 42 mm or optionally adjustable up 80 mm
板件尺寸要求	横向加工 Crosswise processing 最小220mm, 当悬出量为30mm时 min. 220 mm with panel overhang 30 mm 最小236 mm, 当悬出量为38mm时 min. 236 mm with panel overhang 38 mm max. 1.300 mm max. 1,300 mm 纵向边带加工 Length wise edge processing 最小220mm, 当悬出量为30mm时 min. 220 mm with panel overhang 30 mm 最小236 mm, 当悬出量为38mm时 min. 236 mm with panel overhang 38 mm 横向加工 Cross wise edge processing 最小250mm, 当悬出量为30mm时 min. 250 mm with panel overhang 30 mm 最小266mm, 当悬出量为38mm时 min. 266 mm with panel overhang 38 mm max. 3.300 mm max. 3,300 mm	横向加工 Crosswise processing min. 244 mm bei Ausstand 42 mm min. 244 mm with panel overhang 42 mm max. 1.300 mm max. 1,300 mm 纵向边带加工 Length wise edge processing min. 244 mm bei Ausstand 42 mm min. 244 mm with panel overhang 42 mm 横向加工 Cross wise edge processing 最小274mm, 当悬出量为 42 mm时 min. 274 mm with panel overhang 42 mm max. 3.300 mm max. 3,300 mm
工件 WORK PIECE		
工件厚度 Panel thickness	8 – 60 mm 8 – 60 mm	8 – 60 mm 8 – 60 mm
工件长度 Panel length	220 – 3.300 mm 220 – 3,300 mm 当悬出量为30mm时 with panel overhang 30 mm	244 – 3.300 mm 244 – 3,300 mm 当悬出量为30mm时 with panel overhang 30 mm
工件宽度 Panel width	220 – 1.300 mm 220 – 1,300 mm 当悬出量为30mm时 with panel overhang 30 mm	244 – 1.300 mm 244 – 1,300 mm 当悬出量为30mm时 with panel overhang 30 mm
边带材料 EDGE TAPE		
边带厚度 Edge thickness	ca. 0,3 – 3,0 mm ca. 0.3 – 3.0 mm	ca. 0,3 – 12 mm ca. 0.3 – 12 mm
边带高度 Edge hight	14 – 65 mm	14 – 65 mm
边带长度 Edge length		
• 卷式材料 Coil material	min. 160 mm	min. 160 mm
• 条式/实木条 solid wood strips	—	min. 350 mm
边带横截面 Edge cross-section		
• 卷式材料 Coil material	max. 120 mm ²	max. 120 mm ²
• 条式/实木条 solid wood strips	—	max. 12 x 65 mm
连接数据 POWER SUPPLY + COMPRESSED AIR SUPPLY (COMBIMA R3 + COMBIMA L12)		
供电电压/频率 Power supply	3/N, 400 V +5/-10%, 50 Hz	
控制电压 Control voltage	24 V	
气压 Compressed air	8 bar	

保留技术修改及进一步改进的权利。
无论如何最终是以报价文字或合同书为准。
机器的拍摄不带整套的防护措施。防护措施是包含在供货范围内的。图片也可能显示出不属于标准配置的可选选项。

Subject to technical alterations and developments. The offer, respective order confirmation,
is in any case the only relevant machine discription. The photographs may show the machine without
complete safety equipment. However safety equipment will be supplied. Photographs may show
options, which are not part of the standard execution.