



# **QMB823GH Eight Spindle High Speed Four Side Moulder**

*Heavy-duty four-side planing and profiling with two cutter spindles per face for high-volume solid-wood production.*

*QCM Product Introduction*

***Prepared by HC WoodTech (International Trade Team)***

# 1. About HC WoodTech



HC WoodTech is a woodworking machinery solutions provider focused on solid wood and panel processing. We deliver integrated equipment and production line systems for furniture factories, door manufacturers, architectural wood producers, prefabricated housing components, pallet production, and engineered wood applications.

Our work combines machine selection, line design, installation coordination, technical service, and long-term production support, helping customers improve automation, efficiency, yield, and overall factory performance.

|         |                  |           |                |
|---------|------------------|-----------|----------------|
| 2002    | 1,200+           | 40+       | Global         |
| Founded | Factory projects | Engineers | Market support |

|                       |                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| What we do            | Factory layout planning, production line design, AI-based equipment configuration, equipment installation, commissioning, process optimization, operator training, and technical guidance. |
| Why choose us         | AI-driven manufacturing expertise, proven factory project experience, one-stop solutions, strong engineering support, and sustainable production thinking.                                 |
| International markets | North America, Europe, Middle East, Asia-Pacific, South America, Eurasia, and Africa.                                                                                                      |

## Our Growth Journey



2002  
Heze, China  
Established the business



2007  
Qingdao, China  
Expanded operations



2013  
Linyi, China  
Opened new branch



2016  
Weifang, China  
Strengthened regional presence



2024  
Muar, Malaysia  
Entered Southeast Asia



2026  
North America  
Began North America market expansion

## Officially Authorized

|                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>QCM Machinery</b> <ul style="list-style-type: none"><li>• Since 2007</li><li>• Global market development</li><li>• Top-tier authorized dealer</li></ul> | <br><b>Nanxing Machinery</b> <ul style="list-style-type: none"><li>• Since 2007</li><li>• Founding equity holder</li><li>• Exclusive authorized dealer</li></ul> | <br><b>Mustang Machinery</b> <ul style="list-style-type: none"><li>• Since 2024</li><li>• Officially authorized</li></ul> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 2. Production Base

Sichuan Qingcheng Machinery Co., Ltd. (QCM) was founded in 1970 and is located in Qingshen Industrial Park, about 100 km from Chengdu. The production base covers more than 300 mu and integrates R&D, manufacturing, sales, and service for solid-wood furniture machinery.

With more than 50 years of experience in wood-processing machinery, QCM has a dedicated R&D team of nearly 100 people. Its products are sold across China and exported to more than 50 countries and regions, building long-term strategic relationships with customers worldwide.



QCM production base



Casting workshop



CNC machining workshop



Painting workshop



Assembly workshop

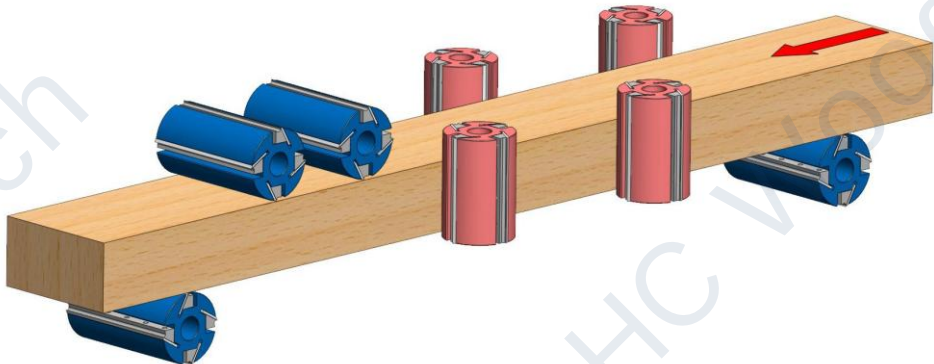
3. Product Summary

|               |                   |             |                   |
|---------------|-------------------|-------------|-------------------|
| 20-230 mm     | 10-160 mm         | 10-60 m/min | 91 kW             |
| Planing width | Planing thickness | Feed speed  | Total motor power |

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Machine             | QMB823GH Eight Spindle High Speed Four Side Moulder                                                                  |
| Brand               | QCM                                                                                                                  |
| Origin              | China                                                                                                                |
| Main application    | High-volume four-side planing and profiling of wide, long solid-wood boards, including wide wall panels.             |
| Processing material | Solid wood                                                                                                           |
| Main value          | Two cutter spindles per face share the cutting load, supporting efficient processing and consistent surface quality. |



QMB823GH machine overview



Eight-spindle arrangement with two cutter spindles per face

## 4. Machine Overview

The QMB823GH is a heavy-duty, high-speed four-side moulder with eight cutter spindles, arranged as two spindles for each face. This configuration shares the cutting load between two cutters on every surface. The machine is designed for stable performance, smooth feeding, convenient operation and a high-quality finish.

It is recommended for large-scale, high-efficiency processing of wide and long solid-wood boards, including four-side profiling of wide wall panels. It offers a safe and efficient domestic alternative to imported equipment for solid-wood manufacturers.

- Eight cutter spindles provide two-stage cutting on all four faces.
- Twenty-two driven feed roller groups include 15 upper and 7 lower groups.
- The movable table uses two lower driven rollers in a floating arrangement.
- Rear horizontal spindles have hydraulic outboard supports; rear horizontal and vertical spindles have automatic straight-knife grinding.
- Touchscreen CNC spindle adjustment and a fully enclosed safety guard support convenient, protected operation.

## 5. Technical Specifications

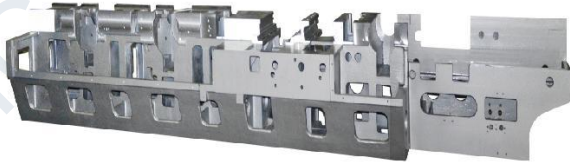
| Item                                                           | Specification                                |
|----------------------------------------------------------------|----------------------------------------------|
| Model                                                          | QMB823GH                                     |
| Planing width with Ø140 mm cutters                             | 20-230 mm                                    |
| Planing thickness with Ø140 mm cutters                         | 10-160 mm                                    |
| Minimum workpiece length, intermittent / continuous feed       | 720 / 400 mm                                 |
| Maximum movable table vertical travel                          | 10 mm                                        |
| Maximum movable guide fence travel                             | 10 mm                                        |
| Number of cutter spindles                                      | 8                                            |
| Spindle diameter                                               | Ø50 mm                                       |
| Spindle speed                                                  | 7,000 rpm                                    |
| Feed speed                                                     | 10-60 m/min                                  |
| First bottom spindle cutter diameter                           | Ø140 mm planing cutter / Ø165 mm edge cutter |
| Other spindle cutter diameters                                 | Ø140-250 mm                                  |
| Total motor power                                              | 91 kW                                        |
| Front bottom horizontal spindle motor                          | 7.5 kW                                       |
| Front / rear right vertical spindle motors                     | 7.5 kW each                                  |
| Front / rear left vertical spindle motors                      | 11 kW each                                   |
| Front / rear top and rear bottom horizontal spindle motors     | 11 kW each                                   |
| Feed motor                                                     | 11 kW                                        |
| Beam lift motor / top spindle lift motor                       | 1.1 / 0.75 kW                                |
| Front / rear left spindle infeed and outfeed adjustment motors | 0.37 kW each                                 |
| Dust extraction ports                                          | 8 × Ø180 mm                                  |
| Vertical spindle axial travel                                  | 80 mm                                        |
| Horizontal spindle axial travel                                | 40 mm                                        |
| Overall dimensions L × W × H                                   | 658 × 208 × 196 cm                           |
| Machine weight                                                 | 10,100 kg                                    |

Length clarification: the source specification table lists 720 mm for intermittent feed and 400 mm for continuous feed. Its feed-system description states 280 mm under continuous feeding. The applicable minimum length requires confirmation.

## 6. Standard Configuration

- One-piece, high-strength cast-iron bed with special treatment and precision machining for stable performance.
- Precision-machined and finely ground spindles with high-precision bearings for long service life.
- Twenty-two driven feed roller groups, with 15 upper and 7 lower groups, provide continuous feeding.
- Specially treated worktable and two pneumatic floating driven roller groups support steady, powerful feeding.
- Hydraulic outboard supports on the rear top and bottom spindles are secured using a high-pressure oil gun.
- Automatic straight-knife grinding on the rear top, bottom, left and right spindles supports high-speed processing.
- Segmented pneumatic pressure plates ahead of the top cutter accommodate different product profiles.
- Pneumatic side pressure at the left spindle uses large-diameter rollers and a specially treated front chip breaker.
- Touchscreen and PLC controls provide CNC spindle adjustment; international-brand electrical components support reliable operation.
- A fully enclosed safety guard with sound-absorbing lining helps contain wood chips and reduce noise.

## 7. Key Feature Photos



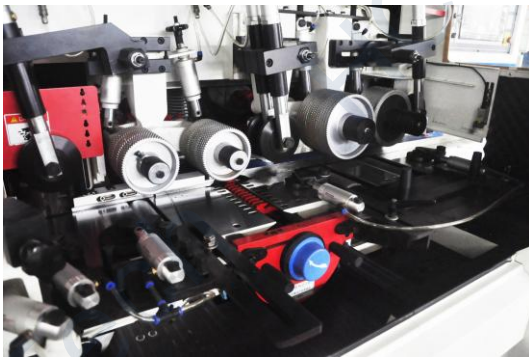
**Machine bed**

The one-piece bed is cast from high-strength iron, specially treated and precision machined for stable performance.



**Precision spindles**

Precision machining, fine grinding and high-precision bearings support a long spindle service life.



**Feed system**

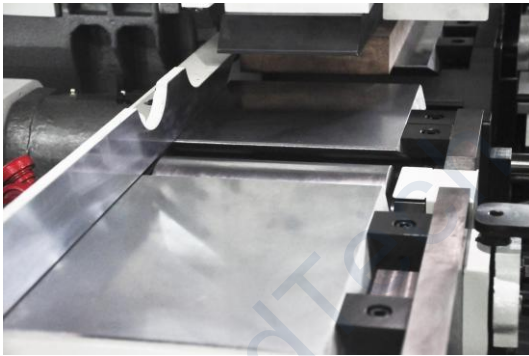
The compact feed system supports continuous feeding. The source feature description states a 280 mm minimum; see the length clarification in Technical Specifications.



**Horizontal spindle outboard support**

A high-pressure oil gun applies clamping pressure to the outboard support for stable high-speed cutting and a high-quality board surface.

## 7. Key Feature Photos (Continued)



**Worktable**

The worktable surface undergoes special processing and treatment.



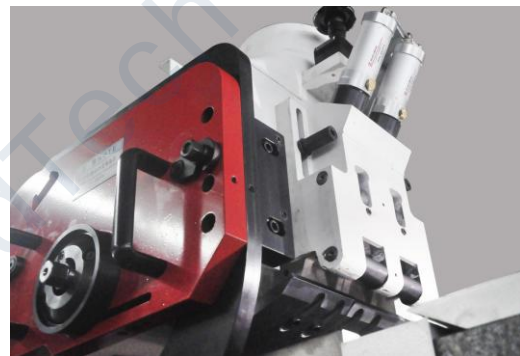
**Floating driven rollers**

Two groups of pneumatic floating driven rollers provide stable, powerful feeding.



**Automatic knife grinding**

Automatic straight-knife grinding on the rear top, bottom, left and right spindles supports high-speed feeding and machining.



**Top cutter front pressure plates**

Segmented, cylinder-controlled front pressure plates make it easier to process different product profiles.

## 7. Key Feature Photos (Continued)



### Left spindle side pressure

Pneumatic cylinders, large-diameter side pressure rollers and a specially treated front chip breaker maintain steady pressure and smooth feeding.



### Operator interface

The touchscreen and PLC control system provides intuitive, convenient and efficient operation.



### Electrical components

Electrical components from internationally recognized brands provide stable performance and long service life.

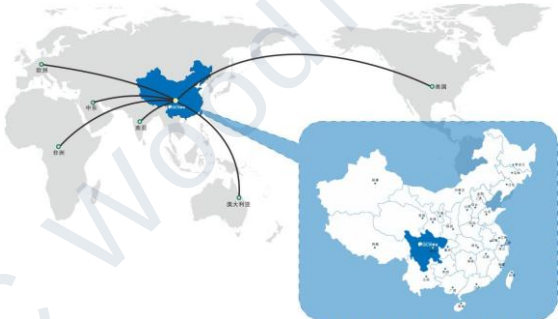


### Enclosed safety guard

The fully enclosed guard and sound-absorbing lining help contain flying wood chips and isolate operating noise.

8. Service Guarantee

|                  |                                                                                                                                    |
|------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Pre-sales        | Experienced sales engineers analyze application needs and support suitable machine selection.                                      |
| Project delivery | Support is provided for process flow, site layout, installation standards, software training, and equipment operation/maintenance. |
| After-sales      | A broad service network supports timely and professional service for customers worldwide.                                          |



Global service network



On-site service and adjustment



Technical service support