

Quiet Operation

Precise Profile Calibration

Developed specifically to meet the needs of profile extruders, Conair's MKMN and MKMT Series calibration tables deliver precise sizing of profiles using vacuum pumps and vacuum connections. Stainless steel water contacts, quick-change vacuum connections, included water filters, and simple adjustments make these calibration tables easy to operate and maintain.

Available with a semi-closed water circulation system (MKMT) or an open water circulation system (MKMN), these calibration tables use a combination of vacuum pumps and water circulation pumps to properly control the dimensions and shape of the profile. Stable sizing and cooling of extruded plastic profiles of various sizes is simple, with precision position control. Horizontal and vertical adjustments are simple electric movement from an easy-to-use operator control, while tilt and lateral fine tuning is completed using a precise adjustment hand wheel.



MKMN 4000

Table lengths from 6.5 feet through 38 feet long

Conair's ProfileMaster calibration tanks are available in various lengths, with standard C-rail mounting plate dimension widths at 8.07 inch {205mm} on the MKMN Series or 12.60 inch {320mm} on the MKMT series. This makes the tables versatile for use with Conair supplied or processor owned tanks.

Stainless steel water contact points are designed with a tabletop height of 37.4 inches (+/- 1.96) inches, allowing for a standard 42-inch (+/- 2 inch) centerline height when the upper tank is mounted. Conair does have optional stainless steel upper tanks available for any calibration table.

Whether you're a brand new processor in the profile market, or a long-time supplier, you know the value of equipment designed specifically for your process. Conair's ProfileMaster line is exactly that – an entire line of equipment designed and manufactured from the ground up with profile extrusion processors in mind.

▶ Simple operation

Conair's ProfileMaster calibration tables are easy to use – no difficult learning curve for new operators. Vacuum levels are adjusted with the simple turn of a valve. Table adjustments quick and repeatable.

▶ Rugged value with stainless steel

Industrial quality, at a price point that makes sense. The ProfileMaster calibration tables are quality-built tables that don't break the bank. You get all the features you need, without paying for all the options you don't require.

▶ Table lengths from 6 to 38 feet

Table lengths are available to fit the tanks sizes that suit your processing needs – from 6.5 feet through 38 feet long.

▶ Quick and simple disconnections

Quick disconnect tooling manifold connections are available for water and vacuum.

▶ CE Certified

All Conair ProfileMaster equipment, including the MKMN and MKMT Series calibration tables, are CE certified.

Custom Plastic Profile Extrusion

Perfect for the custom plastic extrusion customer, ProfileMaster calibration tables are flexible for short or long production runs and are designed for easy change over. The MKMN and MKMT are capable of producing a wide range of profiles.

- ▶ **Window channels profiles**
F, L, and U types
- ▶ **Co-extrusion and tri-extrusion applications**
- ▶ **Vinyl siding**
- ▶ **Seal molding**
- ▶ **Edge trim**
- ▶ **Hollow cores**



Extruded Materials

PE, PP, PVC, HIPS, and Nylons (Polycarbonate and PET)

Applications

Wet Sizing

Water Cooling System:

Ideal for applications that require cooling or lubrication during processing, ensuring precise sizing of products.

Dry Sizing

Moisture-free Processing:

Ideal where water use is impractical.

Customizable Water Tank Configurations

Vacuum Water Tanks:

Provide enhanced control over the cooling process, ensuring more precise sizing.

Non-vacuum Water Tanks:

A simpler, more economical option that is perfect for applications where vacuum control is not required.

Air Rack System Configurations

Integrated Rail System:

The table includes a rail system for mounting your Air Rack across the tabletop. This system can be used in conjunction with both dry and wet sizing calibration.

Features

Stable Vacuum with Minimal Noise

Vacuum pumps and connections provide a stable vacuum at low noise levels during production.



User Friendly Control

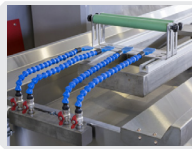
Robust Construction with Stainless Steel Components

Main components in contact with water are made of stainless steel. (MKMT only)

Motorized Tool Position Adjustment

Motorized movement for the tool position adjustment.

T-slot style tool rail for mounting



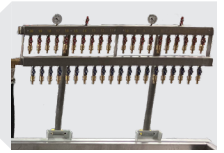
Optional Air Shower

Precise Calibration

The position of the calibrator or tank can be adjusted precisely on upper rails.

Quick Change Vacuum Connectors

(MKMN only)



Precise Temperature Regulation

Semi-closed or open water circulation provides precise water temperature regulation.

Various lengths for your specific process

MKMT: 5 to 12 meters
MKMN: 2 to 6 meters

Two water filters with by-pass connection



Optional closed water circulation system

(MKMN only)

ProfileMaster Advantages

Flexibility

Customizable Configurations

Conair's Calibration Table can be customized to meet diverse production requirements, easily accommodating both wet and dry processes.

Versatile Water Tank Options

Choose between vacuum and non-vacuum water tank configurations. Select the ideal solution for your specific applications.

Adaptable to Various Materials

Engineered to precisely handle a wide range of materials, ensuring accurate results for wet and dry sizing.

Consistency

Precise Engineering

Conair's Calibration Table adheres to stringent standards, minimizing variations and ensuring uniform quality.

Reliable Sizing - Wet or Dry!

Our system is optimized to consistently deliver high-quality results, reducing the need for rework and minimizing waste.

Stable Operation

The MKMN and MKMT Calibration Tables provides consistent performance even under fluctuating production loads, ensuring steady output.

Dependability

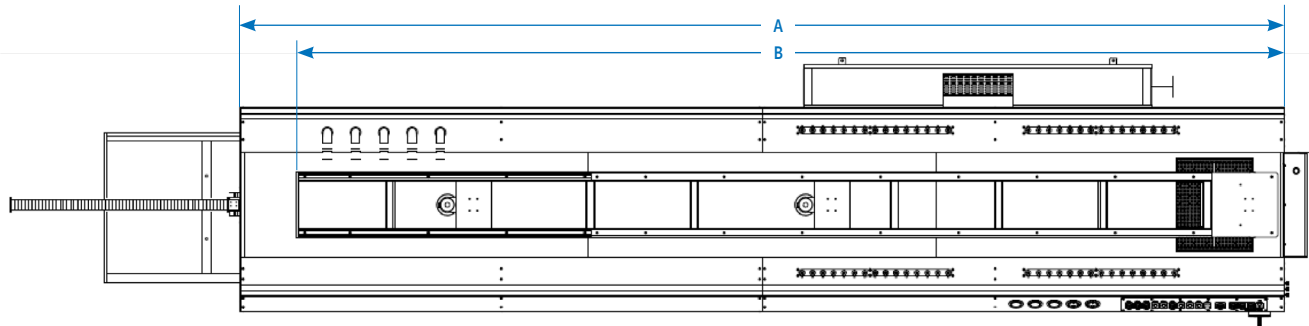
Durable Design

Built to endure demanding production environments, the ProfileMaster Calibration Table offers long-term durability with minimal downtime.

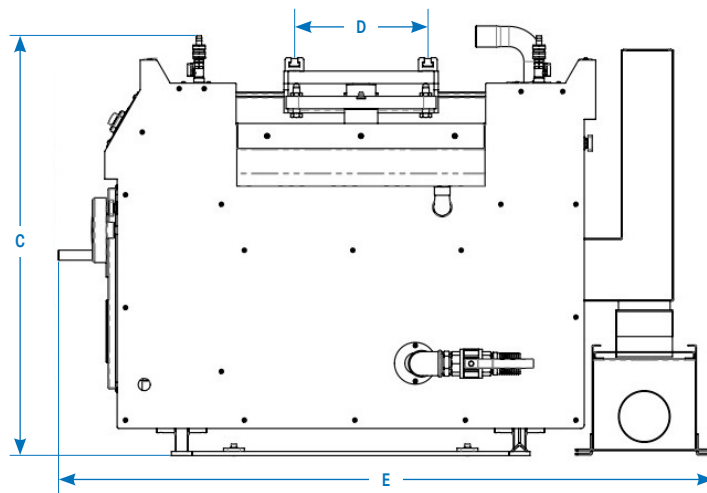
Proven Performance

With a successful track record across various industries, Conair's Calibration Table is proven to be a dependable choice for your production line.

Specifications



Top View



Side View

MKMN Models	MKMN 2000	MKMN 3000	MKMN 4000	MKMN 6000
Performance Characteristics				
Standard pump quantity	1	2	2	2
Max. pump quantity	1	2	3	3
Pump power	5 HP (4 kW)			
Vacuum connections per pump	10 x (1/2")			
Water connections per vacuum connector	10 x (1/2")			
Movements inches {mm}				
Forward/backward of calibration table	+/- 4.9 {+/- 125}			
Lateral movement of mounting plate (angular)	+/- 1 {+/- 25}			
Up/down movement of mounting plate	+/- 2 {+/- 50}			
Dimensions				
A - Overall length feet {mm}	6.56 {2000}	9.8 {3000}	13.1 {4000}	19.7 {6000}
B - Length of mounting table feet {mm}	6.2 {1900}	9.5 {2900}	12.7 {3900}	19.3 {5900}
C - Height of tabletop inches {mm}	37.4 +/- 1.96 {950 +/- 50}			
D - Length between c-rails on mounting plate inches {mm}	8.1 {205}			
E - Depth of mounting table inches {mm}	43.2 {1098}			
Weight lb {kg}				
Installed	Consult Conair			
Shipping	Consult Conair			
Voltage Full load amps †				
460V/3 phase/60 Hz	5 kW	9 kW	36 kW	43 kW



Specifications

MKMT Models	MKMT 5000	MKMT 6000	MKMT 9000	MKMT 12000
Performance Characteristics				
Standard pump quantity	2		3	
Max. pump quantity	2	3	4	
Pump power	4 HP (3 kW)			
Vacuum connections per pump	10 x (1/2")			
Circulation water pump power	4 HP (3 kW)		7 HP (5.5 kW)	10 HP (7.5 kW)
Water connections per vacuum connector	10 x (1/2")			
Standard cyclone unit quantity	1			
Max. cyclone unit quantity	1		2	
Vacuum connections per cyclone unit	3 x (1 1/2")		5 x (1 1/2")	
Movements inches {mm}				
Forward/backward of calibration table	+/- 9.8 {+/- 250}			
Lateral movement of mounting plate (angular)	+/- 1 {+/- 25}			
Up/down movement of mounting plate	+/- 2 {+/- 50}			
Dimensions				
A - Overall length feet {mm}	16.4 {5000}	19.7 {6000}	29.5 {9000}	39.4 {12000}
B - Length of mounting table feet {mm}	15.1 {4630}	18.4 {5630}	28.3 {8630}	38.1 {11630}
C - Height of tabletop inches {mm}	37.4 +/- 1.96 {950 +/- 50}			
D - Length between c-rails on mounting plate inches {mm}	8.1 {205}			
E - Depth of mounting table inches {mm}	49.2 {1250}			
Weight lb {kg}				
Installed	Consult Conair			
Shipping	Consult Conair			
Voltage Full load amps †				
460V/3 phase/60 Hz	31 kW		36 kW	43 kW

Specification Notes

* Product guide roller bracket not included.

† FLA data for reference purposes only. Does not include any options or accessories on equipment. For full FLA detail for power circuit design of specific machines and systems, refer to the electrical diagrams of the equipment order and the nameplate applied to the machine. For other voltages, consult Conair.

Specifications may change without notice. Consult a Conair representative for the most current information.