

MCR 100

STEM Racing Specific CNC Router



Easy to use



STEM Racing specific



Compact design

Purpose-built CNC router for STEM Racing success

The Denford MCR 100 is a compact CNC router designed exclusively for manufacturing STEM Racing cars. Affordable, simple to use and classroom-ready, it provides an accessible entry point into STEM Racing while delivering a professional finish that helps students succeed in the competition.

Key Benefits:

- Dedicated machine for STEM Racing car manufacture
- One preset fixture for STEM Racing car manufacture, reducing setup time
- Low-cost CNC introduction for schools worldwide
- High-quality, consistent finish on each car body

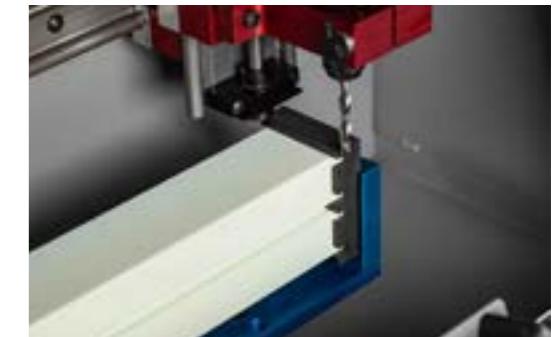


MCR 100

Technical information

Equipment as standard

- VR CNC Milling Operating Software
- QuickCAM Pro Software with STEM Racing Car Wizard
- Workholding for STEM Racing Model Block
- 1/4" Dia Ball Nose Extra Long Series Cutter (Solid Carbide)
- Outlet for Dust Extraction System
- Installation and Instruction Manuals
- Ethernet or USB Connection
- *PC Not Included



Optional extras

- Dust Pro 50 Extraction Unit
- STEM Racing Model Blocks

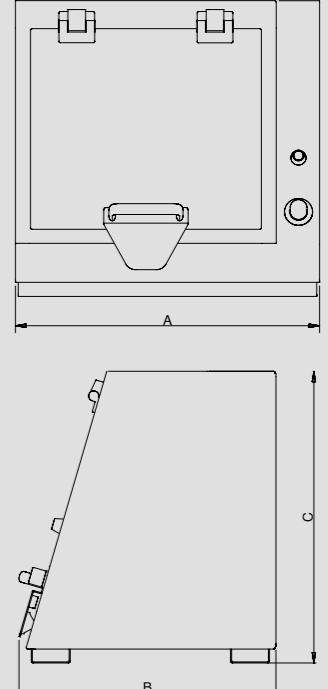


Please Note

The MCR 100 is specifically designed and built for manufacturing STEM Racing cars. If your establishment requires CNC machining for other types of projects, we recommend considering the [Compact 1000](#) instead.

Mechanical details

Machine Length (A)	550mm	21.65in
Machine Depth (B)	490mm	19.29in
Machine Height (C)	525mm	20.67in
Machine Weight	45kg	99.21lb
Travel X Axis	218mm	8.58in
Travel Y Axis	75mm	2.95in
Travel Z Axis	55mm	2.17in
Max Spindle Speed	29000rpm	29000rpm
Non-Ferrous Metal Cutting	No	No
Spindle Speed Control	Manual	Manual
Max Feed Rate	5000mm/ min	196.85in/ min
Max 3D Profiling	4500mm/ min	177.17in/ min
Mains Supply Requirements	Single Phase	Single Phase
Spindle Motor 110V Supply	800W	1.07HP
Spindle Motor 230V Supply	530W	0.71HP
Axes Motors	Stepper	Stepper
Voltage	230V	110V
Current	8A	10A
Frequency	50/ 60Hz	50/ 60Hz



Machine Dimensions