

C16, C16-D, C25, C70 Compacting Units

Resistance Welding Compacting is ideally suited for stranded wires, sensors and Y connectors. It applies an even, intense and massive compression. As compared to ultrasonic methods the surface of a compacted resistance welding wire is even and uniform. There are no individual strands in the compacting areas. Compacting delivers an even and uniform wire surface. Combined with the brazing technique compacting is ideally suited to join cables of a large dimension in automotive applications such as the intelligent battery sensor application which allows for smart battery power management. The compacted wire diameter may be up to 16, 25 or 70 mm².*

CONFIGURATION OPTIONS

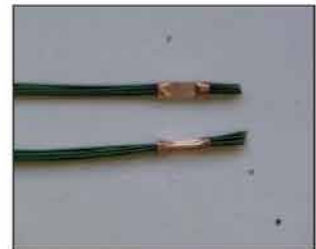
The water cooled MIYACHI PECO Compacting Units are designed to be used in combination with MIYACHI PECO weld heads and power supplies. Please find more details in the respective Technical Data Sheets of these products.

Amada Miyachi Europe has acquired extensive knowledge in resistance welding compacting and brazing technologies and can offer a wide range of feasible applications in the electronics, automotive and batteries industries.

TYPICAL APPLICATIONS



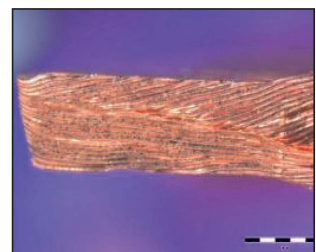
Automotive



Electronics



Automotive



Automotive

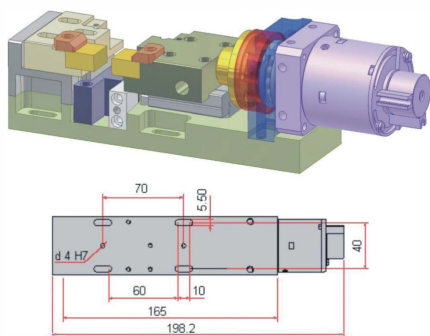
TECHNICAL SPECIFICATIONS

	C16	C16D	C25	C70
Configuration	Single or double compacting unit for a copper braid with a diameter of up to 16 mm ^{2*}		Single compacting unit for a copper braid with a diameter of up to 25 mm ^{2*}	Single compacting unit for a copper braid with a diameter of up to 70 mm ^{2*}
Air pressure supply	max. 6 bar			
Copper braid diameter	up to 16 mm ^{2*}		up to 25 mm ^{2*}	up to 70 mm ^{2*}
Compacting braid shape	Rectangular or square			
Electrode force, compacting length, distance settings	Depend on application and configuration			
Environment temp.	0-40 °C			
Cooling	Water cooled			
Options	Digital Resistance Welding Monitoring with MG3			
* Exact ranges depend on the application. MIYACHI PECO is pleased to recommend a suitable configuration for compacting devices which meets the specific needs.				

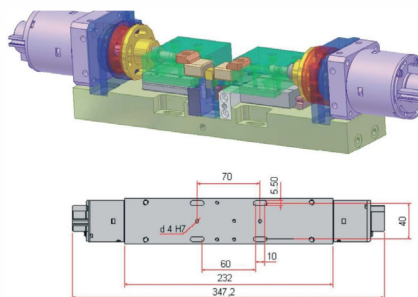
WEIGHT & DIMENSIONS

	C16	C16-D	C25	C70
Weight approx.	2,5 kg	4 kg	3 kg	18 kg
Dimensions (L x H x D)	see drawings below			

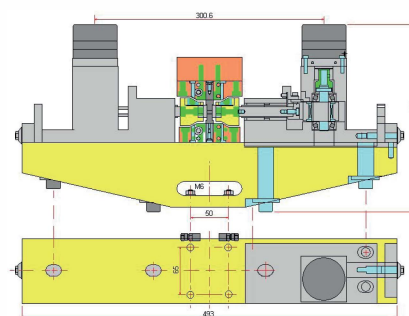
C16 (EXAMPLE)



C16 (EXAMPLE)



C70 (EXAMPLE)



C25 is 10 mm wider and offers a larger turning cylinder than C16.

C25 is made of copper instead of brass.