MOST Ponte-800c/1000c/1200c/1600c is a series of three-phase, liquid-cooled power feeders, designed for high-efficient, automated submerged arc welding processes in MIG/MAG, MMA method, with the possibility of electro-gauging. Multifunctional devices that are dedicated to automation of welding processes, and operations in demanding, difficult industrial work conditions.

The device construction is based on IGBT transistor module, with liquid cooling in a closed cycle. With this solution, it is possible to achieve the high load-capacity and power ratio. These units feature great operating parameters and high resistance to environmental factors, such as moisture and dustiness. It results in their small sizes and lightweight. All of these mentioned characteristics applied in order to create the device that meets industrial demands in the widest range possible.

All parameters are set preliminary and can be read on the display. Electronic system permits the set-point stabilization in accuracy of 2%, and usage of flat or dropping characteristics power source. Power feeders MOST Ponte-800c/1000c/1200c/1600c ensure the voltage stability; current stabilization starts with an automatic adjustments of wire feed speed range to set current that measures the real-time performance. All these functions are controlled by fuzzy logic processor.

Technical data	Ponte 800c	Ponte 1000c	Ponte 1200c	Ponte 1600c
Welding range (A)	0 – 800	0 – 1000	0 – 1200	0 – 1600
Welding current 60% DC	650 A/40 V	850 A/40 V	1000A/40 V	1450 A/40 V
Welding current at 100% DC	550A/40 V	700 A/40 V	850 A/40 V	1350 A/40 V
Stability parameters (%)	2	2	2	2
Welding method	SAW, MMA, MIG/MAG, electro-gouging			
Frequency (Hz)	10,5	10,5	10,5	10,5
Liquid cooling	YES	YES	YES	YES
Wire lengths (mb)	5 – 45	5 – 45	5 – 45	5 – 45
Weight (kg)	230	270	290	310

Automatic welding power sources of Ponte series are compatible with tractor welders MOST MT-2 and welding systems, such as: welding column & booms MOST MCBM, equipped with head MOST MH-2.