Metal Handle History

For over 20 years, Borghi thanks to the partnership with Unimac s.r.l. has developed fully automatic lines and assembly machinery to produce metal handles, providing high quality standards and productivity. Borghis experience is of extreme importance to be able to reach productivity levels where machinery movements are counted in tenths of seconds, providing constant repetition of quality output at high speeds. There are three major strengths for Borghi handle manufacturing equipment:

SAFETY

360° of Safety does not only cover the construction phase of the equipment that respects all safety standards, norms and laws, but also to provide a finished product that the market considers to be produced to the highest industry standards regarding quality and safety.

INNOVATION

For Borghi, Innovation signifies the ability to continuously renew our ability to engineer new ideas and projects to meet the needs of the customer. Researching and incorporating the latest technology for electronic systems, efficiency in movement of the workstations, labelling and laser marking technology, vision inspection, etc. are all part of the ongoing process to improve, create new opportunities for our customers and provide a reliable solution.

SPEED AND STABILITY

Considering all the active Borghi's metal handle production lines in the world today, they produce Millions handles per day. Borghi is the global leader in metal handle manufacturing technology, thanks to the speed and stability in the equipment.

Plastic Coated Metal Handle Production Line

COIL SPECS.

Width Min (mm)	53*
Width Max (mm)	80*
Thickness min (mm)	0,25
Thickness max (mm)	0,4
Suggested Steel Specs.	FE590 HK / ST2 K60

*according to the diameter to be produced: Coil width = Ø metal handle · ϖ

METAL HANDLE SPECS.

Diameter min (mm)	Ø 17
Diameter max (mm)	Ø 25.4
Length min (mm)	400
Length max (mm)	1500

Plastic Coated Number of color up to 3 (according to the number of Extruders)

TUBE MILL SPECS.

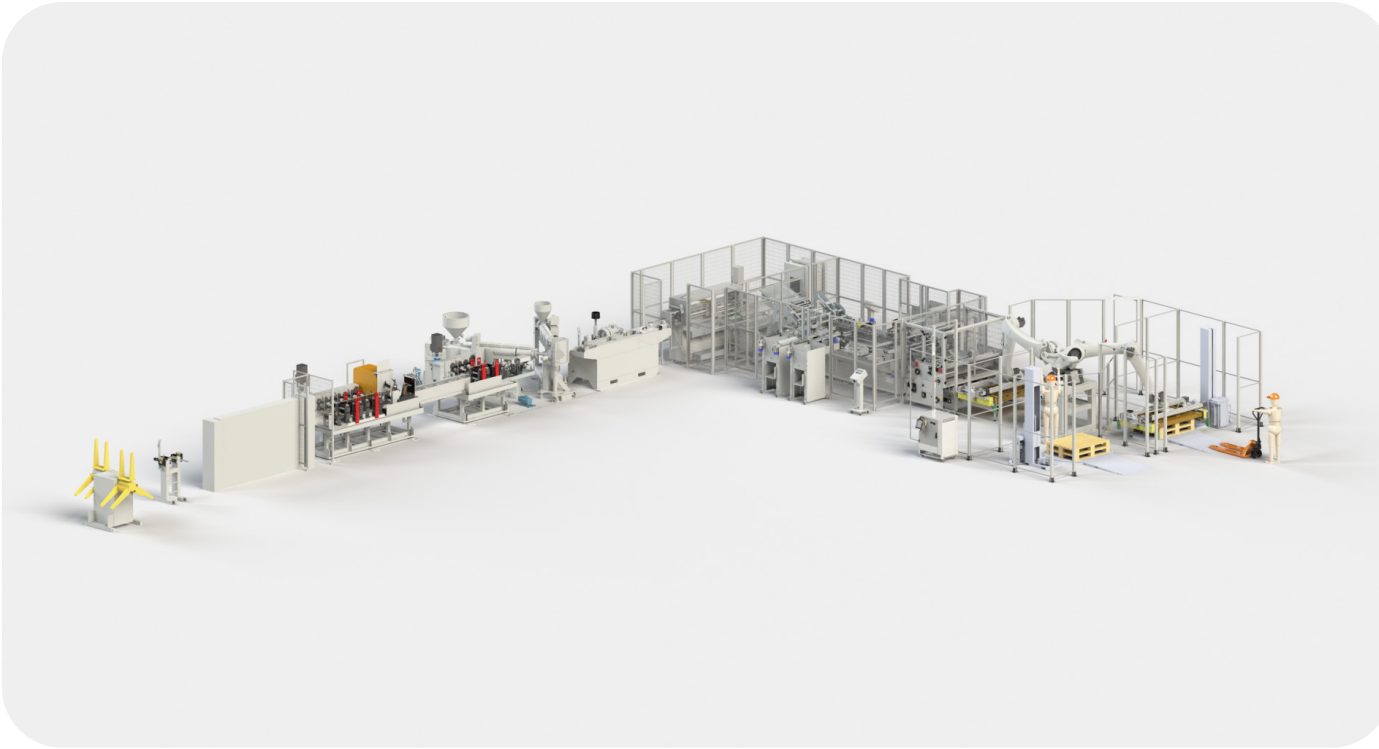
Speed (m./min)	50	70	90	110
Installed Power (kW)	180	203	250	285
Welding Power (kW)	35	50	75	90

PRODUCTIVITY (HANDLE LENGTH 1133 MM)

Number of Metal Handle/Hr.	2647	3706	4766	5825

HANDLE ASSEMBLY MACHINE

Number of Stations	H1	H2	H3	H4

PACKAGING MACHINE SPECS.

Packaging	from 10 to 24 metal handles per bag
Number of Welding bar	3 (1 horizontal, 2 vertical)