



概述 / Introduction

由PML自主研发的机器人焊接配套用的送丝装置，是针对现代机器人焊接工艺关于送丝精度高、可靠性强以及使用空间位置小等特殊要求，在选择包括一体式送丝机构等本公司多款高品质送丝机构的基础上，进一步集成送气组件、水冷组件、外壳机箱组件等精制而成的多种型号的系列产品。该类送丝装置结构轻巧、造型精美、送丝强劲、坚固耐用，体积小、重量轻，兼容多种焊枪接口，配套元件可选择性好，是焊接机器人焊接设备的理想送丝动力单元，可谓是机器人焊接设备的配套精品。

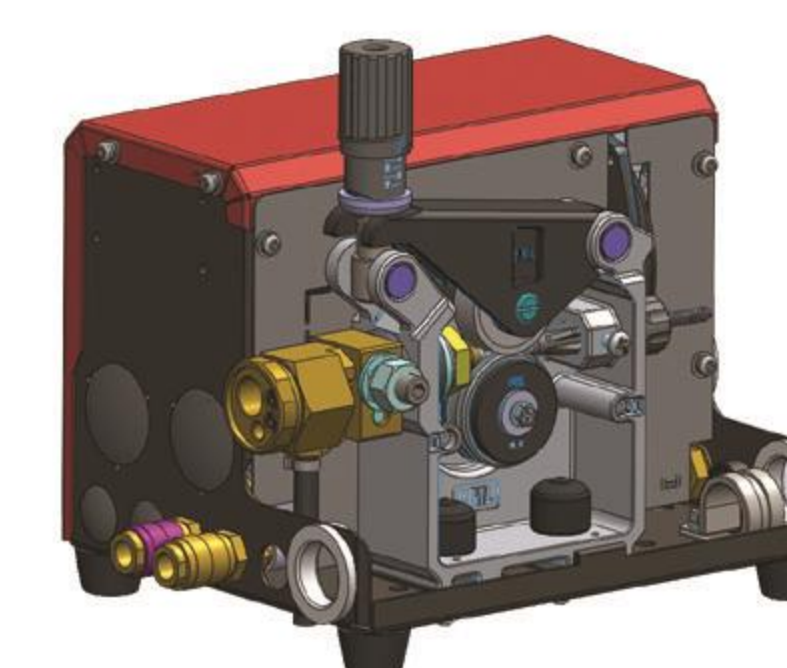
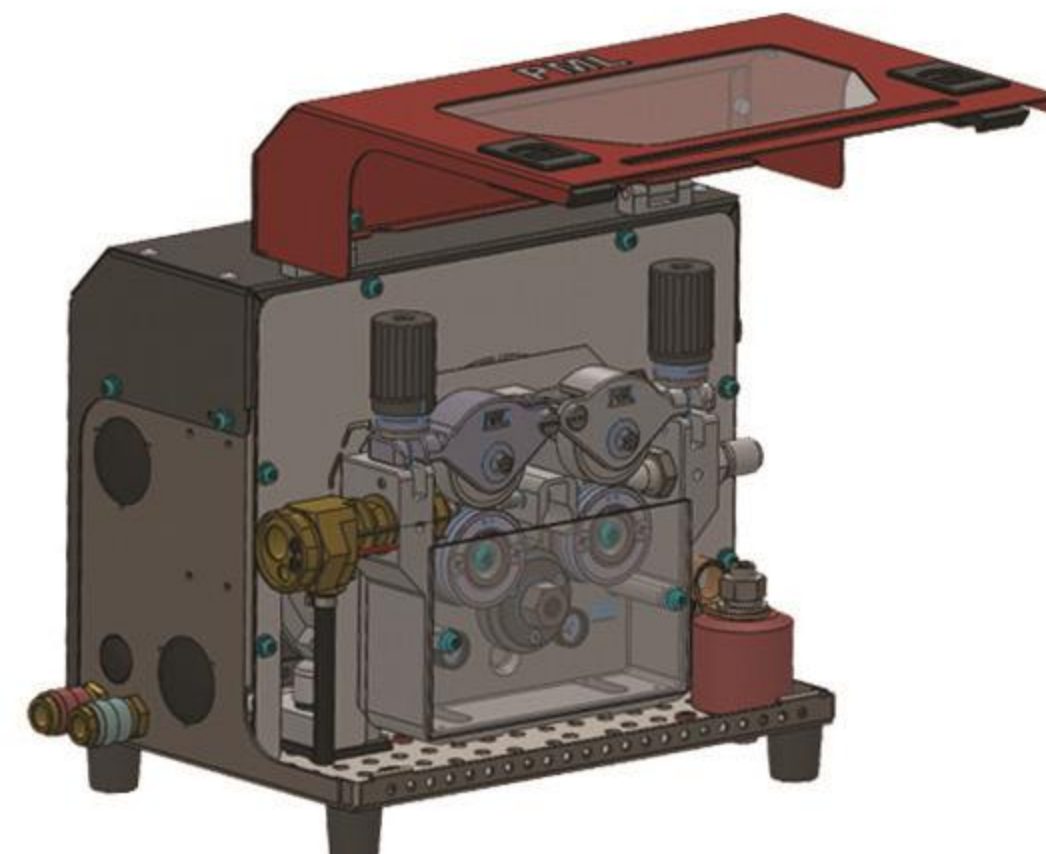
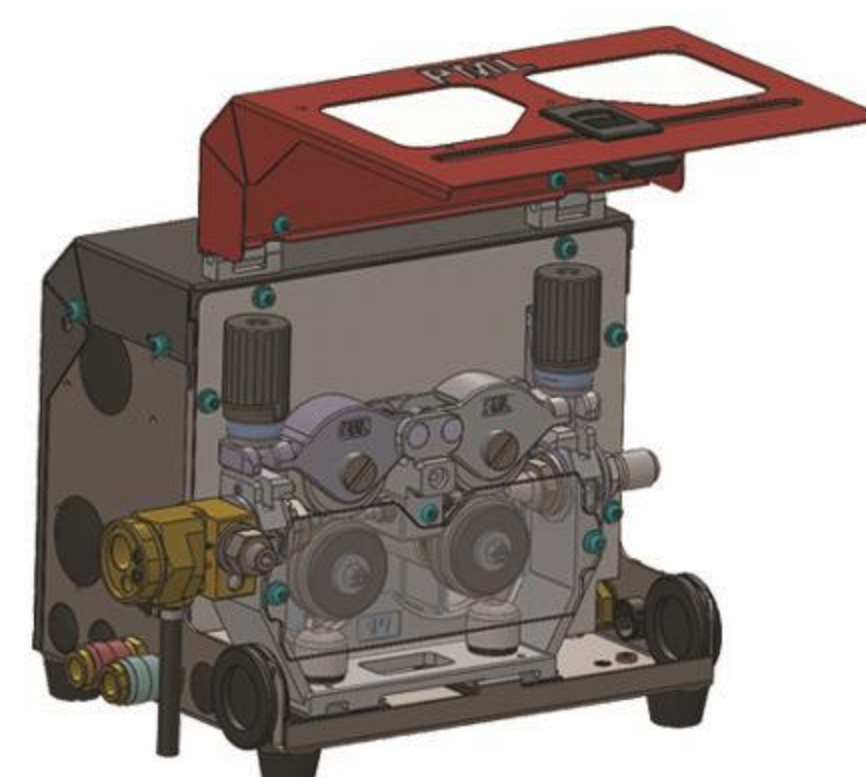
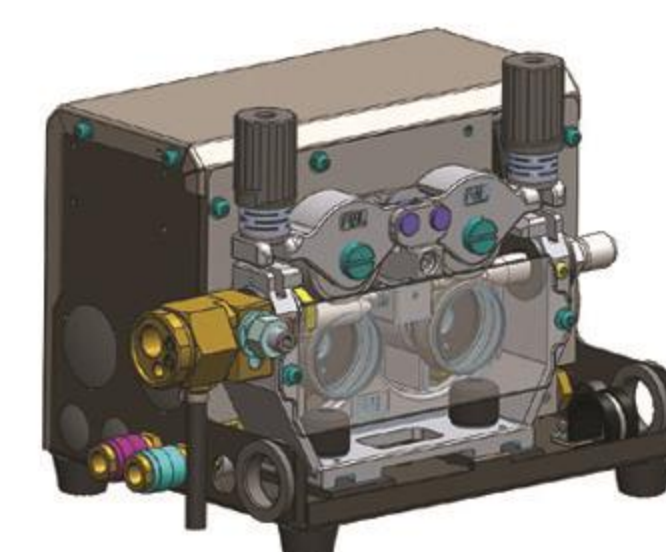
The robot wire feeder that PML self-developed for robot welding is characterized by compact size, high precision and reliability. It is series product that combined with high quality wire feed unit e.g. integrated wire feed unit and gas unit, water cooling unit and case unit. It is preferred for robot welding system with the advantages of compact size, strong feeding force and good compatibility.

特点 / Performance Characteristics

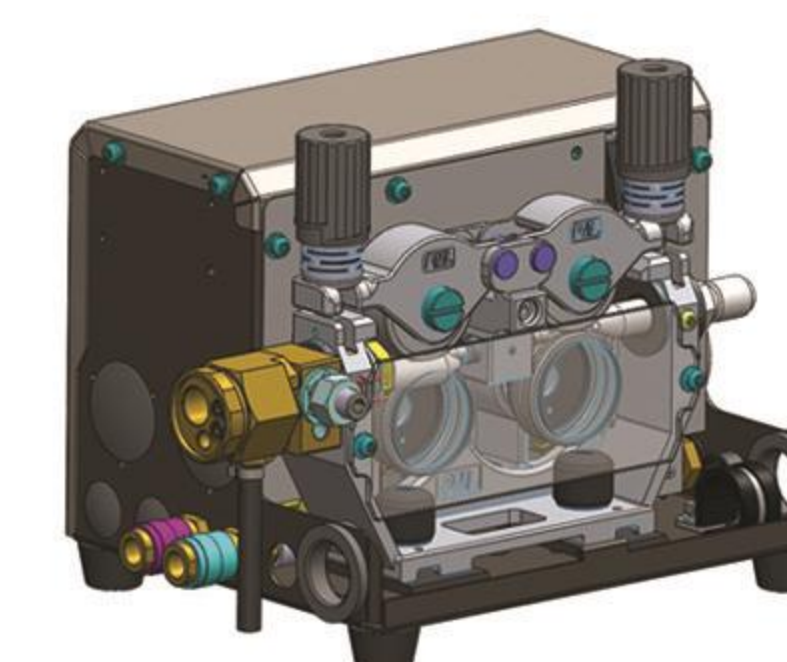
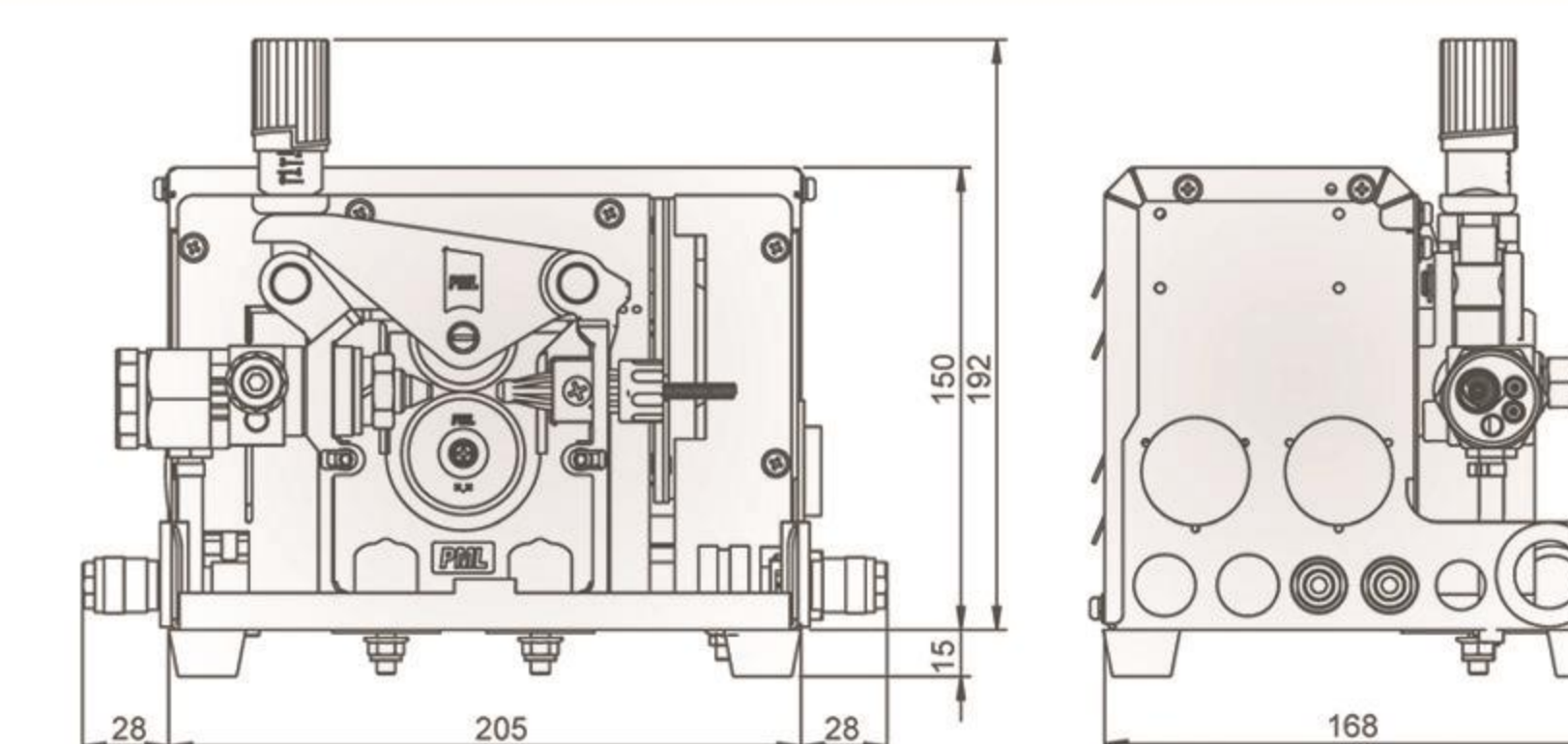
1. 根据焊接条件的不同，可选配印制蜗轮送丝电机或印制齿轮送丝电机，作为送丝动力单元。
2. 采用将送丝托架总成与蜗轮电机优化设计成整体结构的一体式送丝机构，是该系列送丝装置的独创设计，确保送丝的精准度和稳定性。
3. 兼容多种焊枪接口，并可灵活选择送丝方向；松下式、欧式、OTC式焊枪接口可自由更换，以便匹配不同类型的焊枪。
4. 预设水冷系统，为负荷扩容拓展空间。
5. 采用管线快换结构，方便用户整机安装和使用。
6. 充分的小型化设计，满足机器人配套的关键条件；最小重量仅4kg。
7. 选配测速编码器，可实现送丝速度的精准数字化调控。
8. 设计精巧的安装底板，以满足对不同类型焊接机器人的安装需要。透明翻转盖板，可方便用户在作业时观察送丝状况。
9. PML可以根据用户对产品性能、结构和外观等方面的各种特殊需要，随时进行设计变更，以全面满足用户的要求。

1. Wire feed motor is optional – wormgear motor or gearbox motor.
2. The wire feed unit is unique design that integrates bracket and wormgear motor and this is a guarantee of precision and stability for wire feeding.
3. It is compatible with various types of welding torch interface e.g. Panasonic type, Euro type and OTC type. The wire feeding direction is optional.
4. The water cooling system is preseted and this creates a space for load increase.
5. Rapid installation of pipes and cables makes assembling and use convenient.
6. The compact size is a critical design for robot welding system. The weight can be as light as 4 kg.
7. The speed detection encoder is an optional which will achieve precise digital control for wire feed speed.
8. The ingenious mounting base plate can match various welding robots. The transparente turning cover helps users to watch the wire feeding conditions.
9. PML products could be customized to meet customers requirements perfectly.

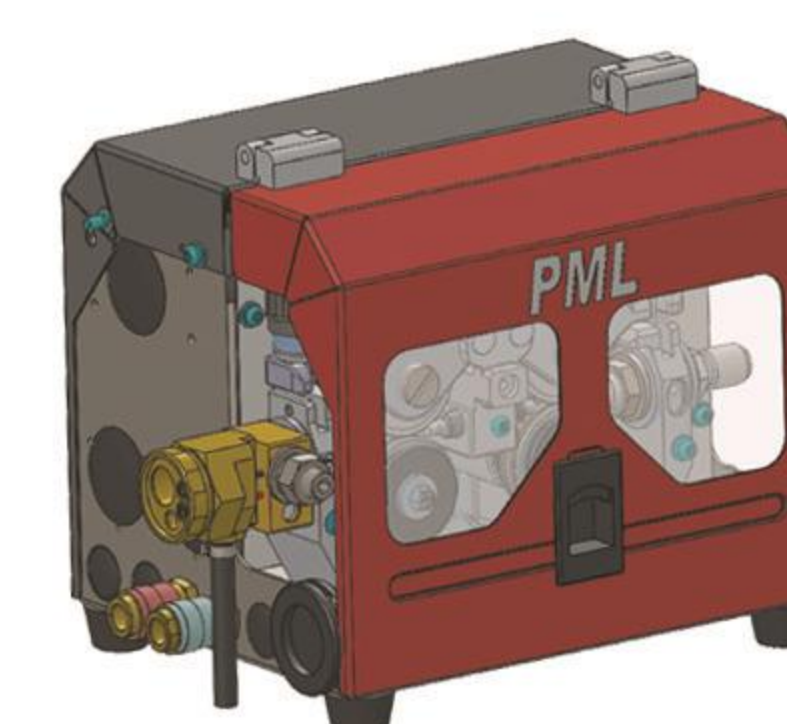
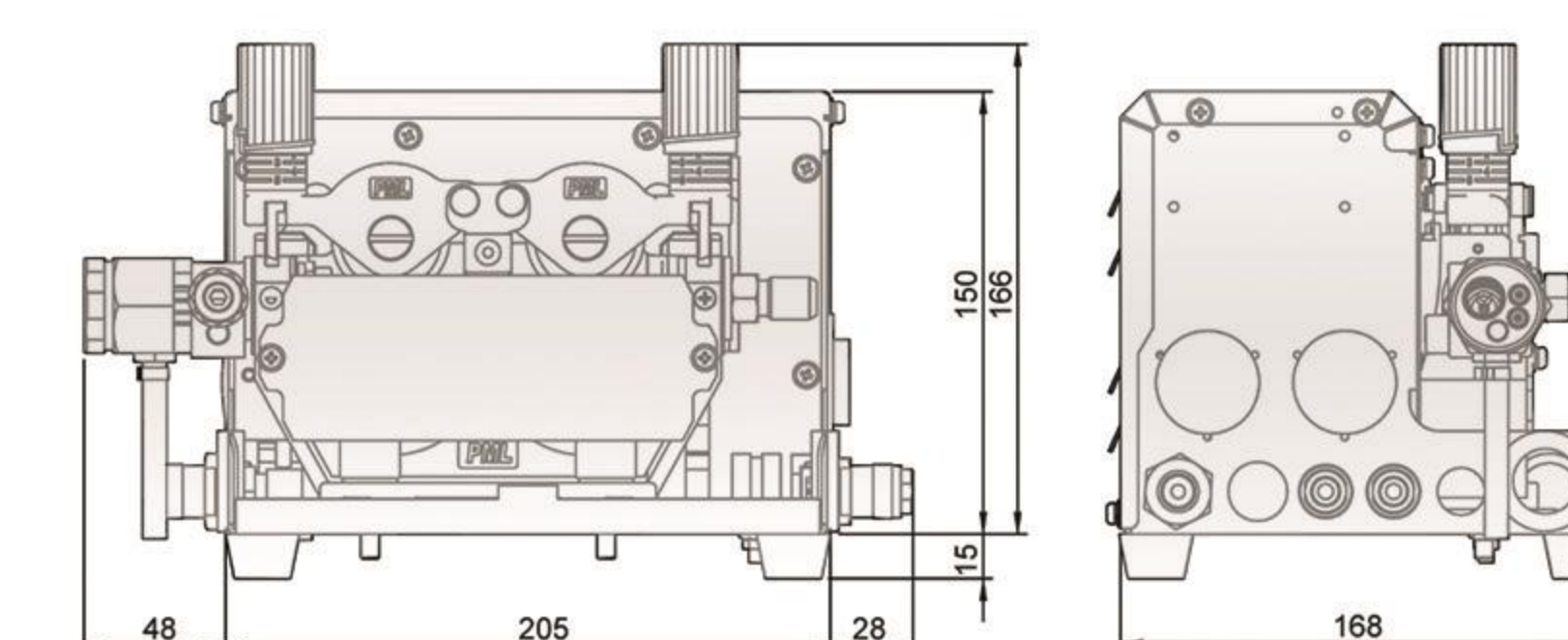
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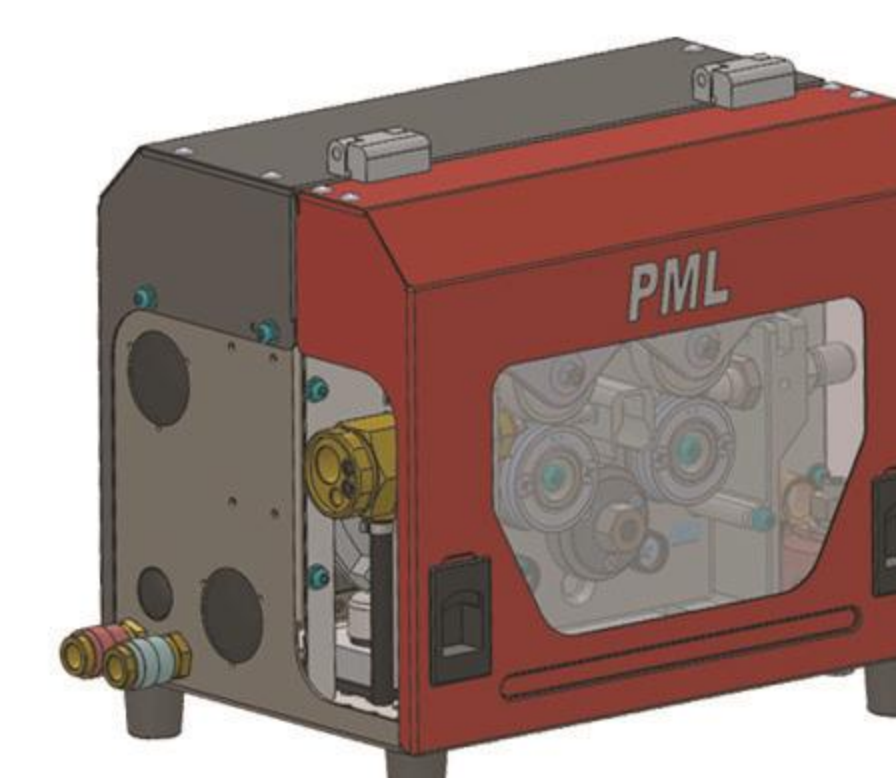
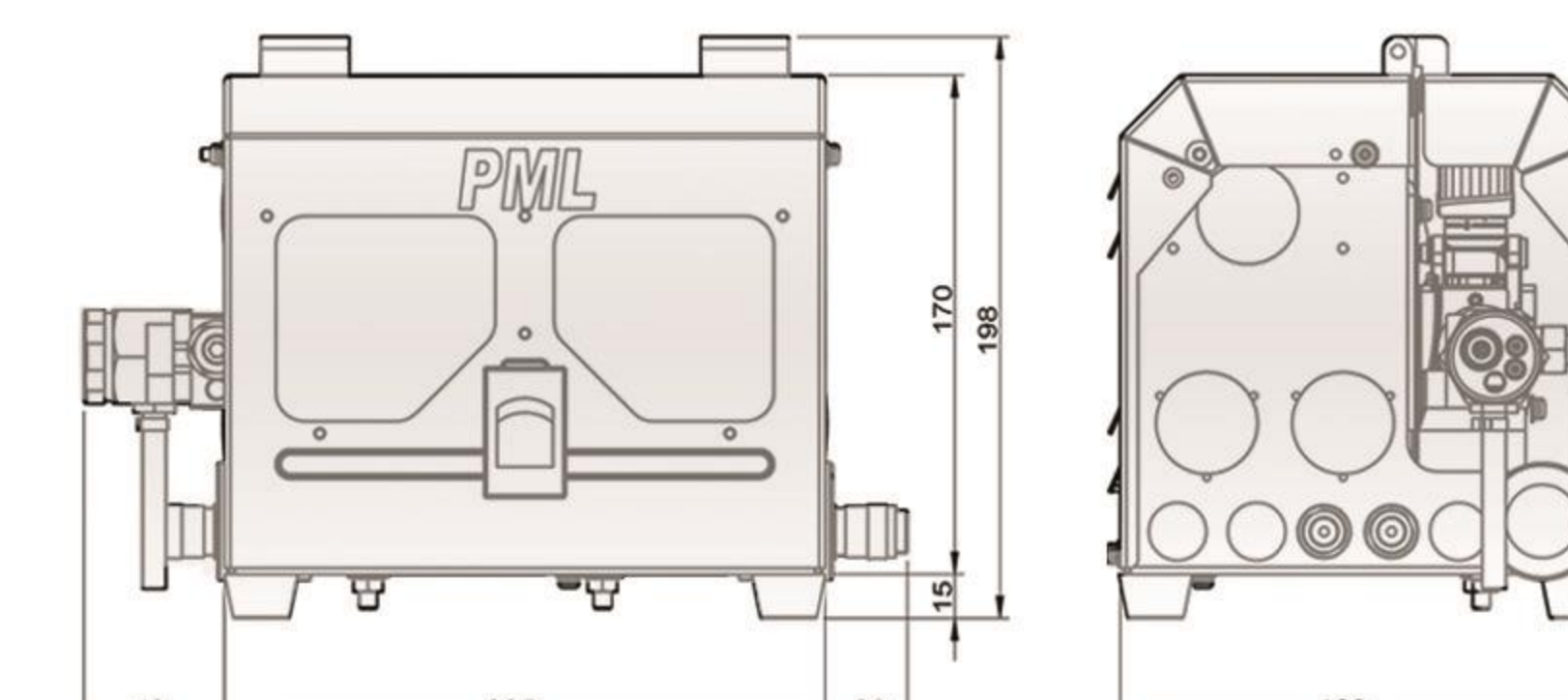
WRx-50WN-Y系列



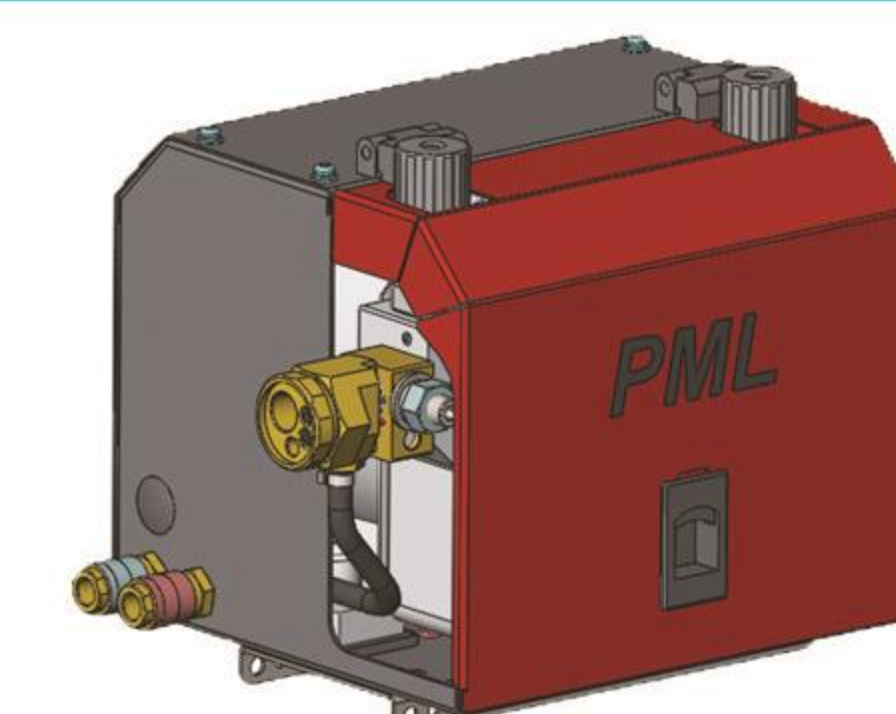
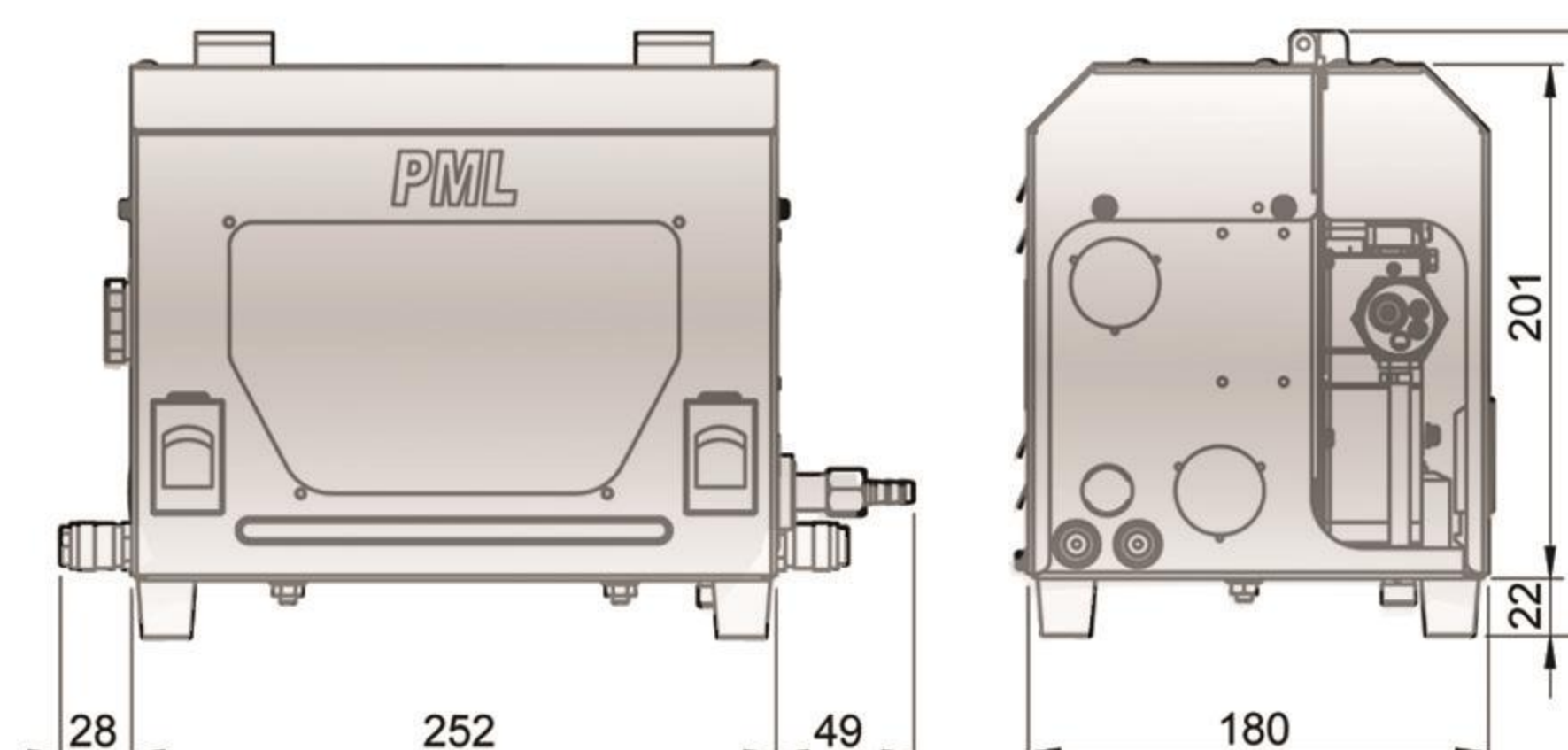
WRx-50WN系列



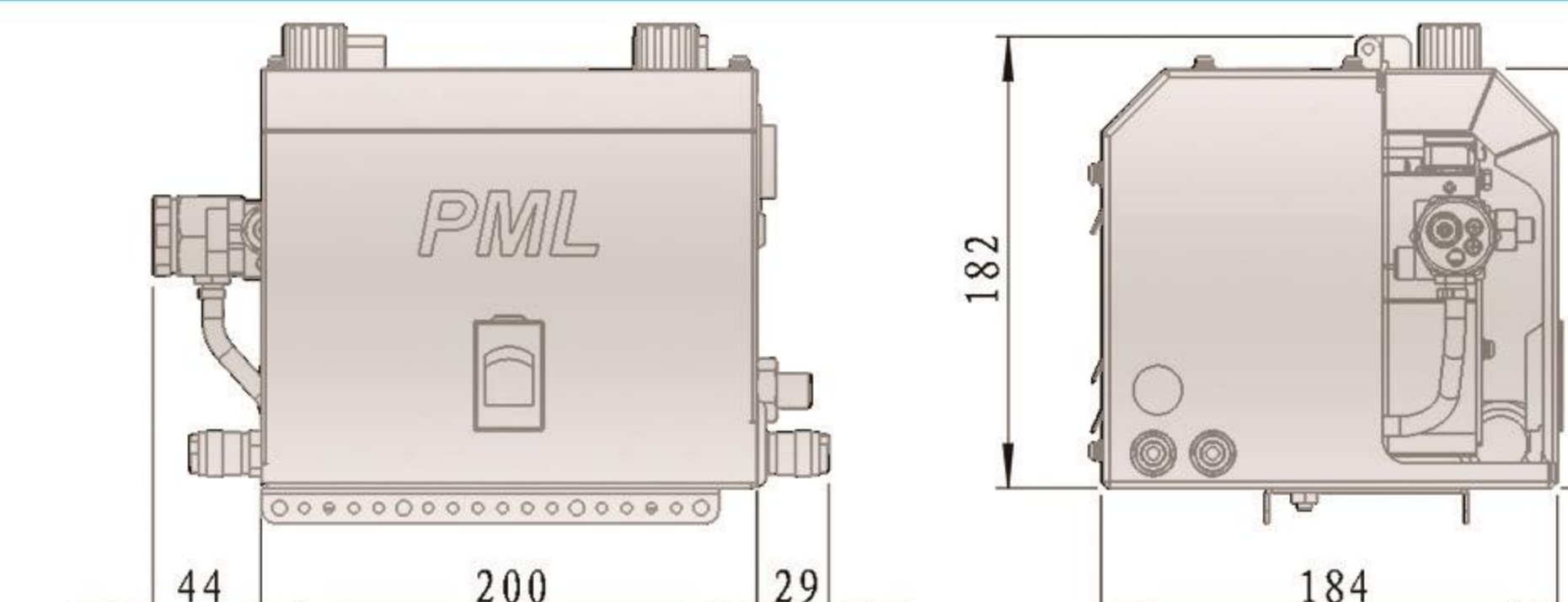
WRx-50WQ系列



WRx-50WM/GM系列



WRx-50GX系列



All dimensions in mm. 单位: mm

选型表/ Specification

系列 Series	电机类型 Motor Type	托架 Bracket	通用参数 General Parameter	适用焊枪 Torch Interface	可选配置 Option	重量 Weight
WRx-50WN-Y	印制蜗轮 送丝电机 Wormgear Motors	单驱一体式 2-Roll Driven	送丝速度: 1.5~30 m/min 适用焊丝直径: 0.6~2.8 mm	松下、欧式、OTC 款焊枪	测速编码器	3.3 kg
WRx-50WN		双驱一体式 4-Roll Driven	电机电压: DC 18.3V, 24V, 36V, 42V		水冷接口	4.0 kg
WRx-50WQ			焊接电流: 200A~630A		送丝软管接口	4.5 kg
WRx-50WM		双驱分体式 4-Roll Driven	Feed Speed: 1.5~30 m/min Wire Diameter: 0.6~2.8mm		送丝方向	4.5 kg
WRx-50GM	印制齿轮 送丝电机 Gearbox Motors	双驱分体式 4-Roll Driven	电机电压: DC 18.3V, 24V, 36V, 42V	Panasonic, Euro, OTC tpe	Encoder	5.8 kg
WRx-50GX			Welding Current: 200A~630A		Water cooled interface Wire tube interface Wire feeding direction	6.2 kg 5.8 kg