

Hydrostatic-Press-System

Model: HPTS-M-200



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1. Outline

This system is to make out feed rod, uniform and straight, for single crystal growth by optical floating zone furnace. Starting powder is put into rubber tube and then put in the cylinder with water. And pressed and formed by Hydrostatic press method.

By this method, you can get thin round sample very without worry about contamination. Electric pump type(HPTS-E-S) is also available.

2. Specification

2.1 Hydrostatic press system

Model	HPTS-M-200
Oil pump	Manual
Oil cylinder	10t single cylinder
Oil pressure	70MPa
Max. pressure	200MPa
Stroke	120 mm
Chamber	SUS pressure vessel
Outer size	$\Phi 90\text{mm} \times 240\text{mm}$
Piston	$\Phi 25\text{ mm}$
Depth	200 mm
Sealing	O-ring

※Oil press system itself or Pressure vessel itself is available respectively.

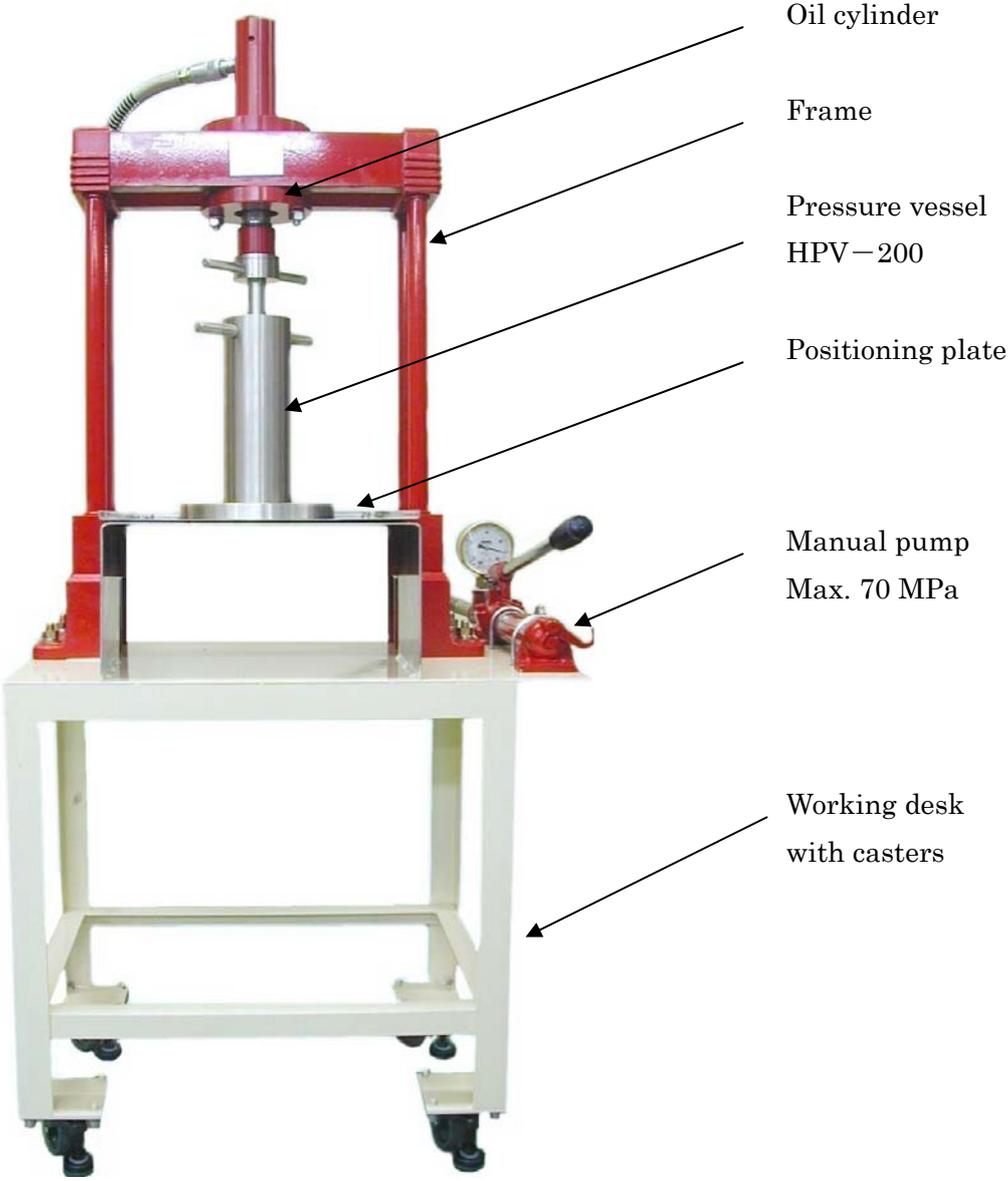
Oil press system

Model	HP-M
Press method	Manual
Oil pressure	70MPa
Max. pressure	200MPa
Stroke	120 mm

Pressure vessel

Model	HPV-200
Outer Dimension	$\Phi 90 \times 240\text{ (mm)}$
Piston	$\Phi 25\text{ mm}$
Depth	200 mm
Sealing	O-ring

3. Structure



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