

# Water Temperature Control Unit DTU1550

## 增强冷却/供水能力的新一代恒温供水系统

DTU1550是在一定的温度和合适的压力下，稳定地向切割机、研磨机提供主轴冷却水及切削水的恒温水供应装置。

### 有助于实现稳定的加工精度

透过各部分设计的优化，将切削水流量变动时的温度变动幅度控制在 1°C 以下。将切割机或研磨机的主轴、工作台等加工点周围的热变化抑制在更小限度，提高了加工精度。

### 确保供应压力

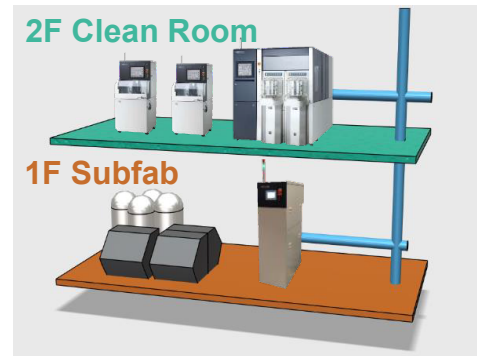
即使工场基础设施的供应水压不足，也能将压力上升到装置（切割机、研磨机）所需的压力。

### 提高冷却能力

实现冷却·水切割水大容量化和提高冷却能力。进一步的提高加工稳定性。还能对应原有的传统恒温供水设备无法处理的下一代的应用和工艺。

### 出色的供水能力提高了运用性

通过改善供水流量和压力，实现了下厂（楼下）通信。例如，立体空间运用放置无尘室设备（切割机，研磨机）在二楼，一楼放置DTU1550。



Specifications			
Specification	Unit	Spindle coolant	Grinding water
Range required to	Deg C	20 - 25	20 - 27* <sup>1</sup>
Temperature accuracy	Deg C	Within 1	Within 1
Cooling efficiency	kW	3.0	6.2
Heating efficiency	kW	-	12.5
Flow rate	L/min	18	30
Circulation method	-	Circulation type	Flush type
Machine dimensions	mm	450 × 1,090 × 1,680	
Machine weight	kg	310 (During drying)	

\*1: Entering water temperature of -6°C to +3°C (at 30 L/min)

#### ■ Environmental conditions

- Keep room temperature fluctuations within  $\pm 1^{\circ}\text{C}$  of the set value. (Set value should be between 20°C and 25°C.)
- The equipment should be used in an environment free from external vibration. Do not install equipment near a ventilation opening, heat generation equipment, or oil mist generating parts.
- This equipment uses water. To prevent damage in the event of water leakage, please install the equipment on the floor with sufficient waterproofing and drainage measures.
- \* All the pressures are described using gauge pressures.
- \* The above specifications may change due to technical modifications. Please confirm when placing your order.
- \* For further information, please contact your local sales representatives.