**TAWERS for Medium and Thick Plates**

Various functions for various applications

Select necessary options.

**Functions effective for medium/thick plate welding**

- **Groove Touch Sensor**
  - Standard Touch Sensor
  - TAWERS Touch Sensor

- **Thick Plate Welding Function**
  - YA-1UPMB1

- **Medium Plate Welding Function**
  - YA-1UPMC1

- **Flexible Multi-Cooperative Robot Function**
  - External Axis

- **YA-1UPHA1**

**High Power TAWERS (WGHⅢ)**

Note: Touch Sensor Software and Wire Clamp Unit are supplied with TAWERS for Medium and Thick Plates.

**Examples**

**How Touch Sensor works**

- Touches base metal and determines line to be welded.
- Detects positioning error and determines line to be welded again.

**Groove Touch Sensor Function**

- Senses groove width and center, and compensates misalignment.

**How Arc Sensor works**

- Detects misalignment or distortion and compensates it.

**Variable Weaving Function**

- Thick Plate Welding Function (YA-1UPMB1)
- Supports changes of groove width.
- Controls deposited metal amount and maintains uniform bead height.