

## Machine specification

| Standard type                                  | 25   | 30<br>(25)       | 35<br>(30)       | 40<br>(35)       | 45<br>(40)       | 50<br>(45)       | 55<br>(50)       |
|--|--|------------------|------------------|------------------|------------------|------------------|------------------|
| Effective cutting width(mm)                    | 2,550<br>—   | 3,050<br>(2,500) | 3,550<br>(3,000) | 4,050<br>(3,500) | 4,550<br>(4,000) | 5,100<br>(4,500) | 5,600<br>(5,000) |
| Rail span(mm)                                  | 3,800  | 4,300            | 4,800            | 5,300            | 5,800            | 6,500            | 7,000            |
| Effective cutting length(mm)                   | TF6000 : Rail length - 5,000 (Rail length - 5,300)<br>TF4000 : Rail length - 4,300 (Rail length - 4,600) |                  |                  |                  |                  |                  |                  |
| Rail size                                      | 50 kg/m rail   |                  |                  |                  |                  |                  |                  |
| Rail length(mm)                                | Extendable by 1,200  |                  |                  |                  |                  |                  |                  |
| Z-axis stroke, standard                        | 200 (250)  |                  |                  |                  |                  |                  |                  |
| Machine overall length(mm)                     | TF6000 : 5,075<br>TF4000 : 4,375   |                  |                  |                  |                  |                  |                  |
| Machine overall width(mm)                      | Rail span + 1,081 (Excluding fluid lead-in section)  |                  |                  |                  |                  |                  |                  |
| Machine overall height(mm)                     | 1,670 (Excluding flickering light on the oscillator)   |                  |                  |                  |                  |                  |                  |
| Machine weight (kg)<br>TF6000 (TF4000: -400kg) | 5,750  | 5,900<br>(6,100) | 6,050<br>(6,250) | 6,300<br>(6,400) | 6,450<br>(6,550) | 6,650<br>(6,700) | 6,800<br>(6,850) |

• Figures in parentheses is those in case of having beveling function.

## Speed specification (mm/min)

|                             |         |
|-----------------------------|---------|
| Processing feed speed       | 1~6,000 |
| Rapid feed speed            | 24,000  |
| Manual rapid feed speed     | 12,000  |
| Ultra-high-speed feed speed | 50,000  |
| Cutting head lifting speed  | 20,000  |
| Cutting head approach speed | 15,000  |
| Original point return speed | 24,000  |

• The figures are subject to change in case of adding functions.

## Cooling water circulator specification

|                           | TF4000              | TF6000 |
|---------------------------|---------------------|--------|
| Model                     | RKE-12000A-VTA      |        |
| Cooling capacity          | 39 kW or more       |        |
| External dimension(LxWxH) | 1,440x930x1,800(mm) |        |
| Number of units           | 1                   | 2      |

## Equipment configuration

|  |       |
|--|-------|
| Machine body                                     | 1 set |
| CO <sub>2</sub> laser oscillator (TF4000 / 6000) | 1 set |
| NC device (FANUC SERIES-16iLB / 160iLB)          | 1 set |
| Cutting head                                     | 1 set |
| Main operation panel                             | 1 set |
| Cooling water circulator                         | 1 set |

## Standard cutting specification

### ●TF4000

|   |                             |       |
|---|-----------------------------|-------|
| Possible plate thickness(Black skin mild steel) <sup>※1</sup> | 22 mm                       |       |
| Bevel cutting thickness<br>(Black skin mild steel)            | Vertical cutting            | 19 mm |
|   | Top/bottom V bevel 30 deg   | 12 mm |
|   | Top/bottom V bevel 45 deg   | 9 mm  |
| Stainless steel <sup>※2</sup>                                 | 10 mm (12 mm) <sup>※3</sup> |       |

### ●TF6000

|   |                             |       |
|---|-----------------------------|-------|
| Possible plate thickness(Black skin mild steel) <sup>※1</sup> | 32 mm                       |       |
| Bevel cutting thickness<br>(Black skin mild steel)            | Vertical cutting            | 25 mm |
|   | Top/bottom V bevel 30 deg   | 16 mm |
|   | Top/bottom V bevel 45 deg   | 12 mm |
| Stainless steel <sup>※2</sup>                                 | 12 mm (16 mm) <sup>※3</sup> |       |

※1 Material: SS400(TANAKA specification). Shape: Square 70mmx70mm(with corner radius 5mm)

※2 Material: SUS304. Shape: Rectangular 70mmx70mm (with corner radius 5mm)

※3 Figures in parenthesis show cutting specification in separation cutting. Sometimes dross adheres. Check it with a sample.