

Original Manufacturer of the Equipment  
TOOLS RENTAL AVAILABLE IN EUROPE

# SwiftRoll X1

**The only robot from tube expanding professionals**

Fully automatic machine for tube expansion, facing, tube cutting and orbital tube to tube sheet welding

# 2 SwiftRoll X1 – features

Fully automatic machine for tube expansion, facing, tube cutting and orbital tube to tube sheet welding.

### STANDARD SETUP

- 6 axis FANUC robot with 1,2 m working reach radius.
- A special version of TES3000 for CNC – digital controller for speed and expansion managing.
- One professional KRAIS dual function drive.

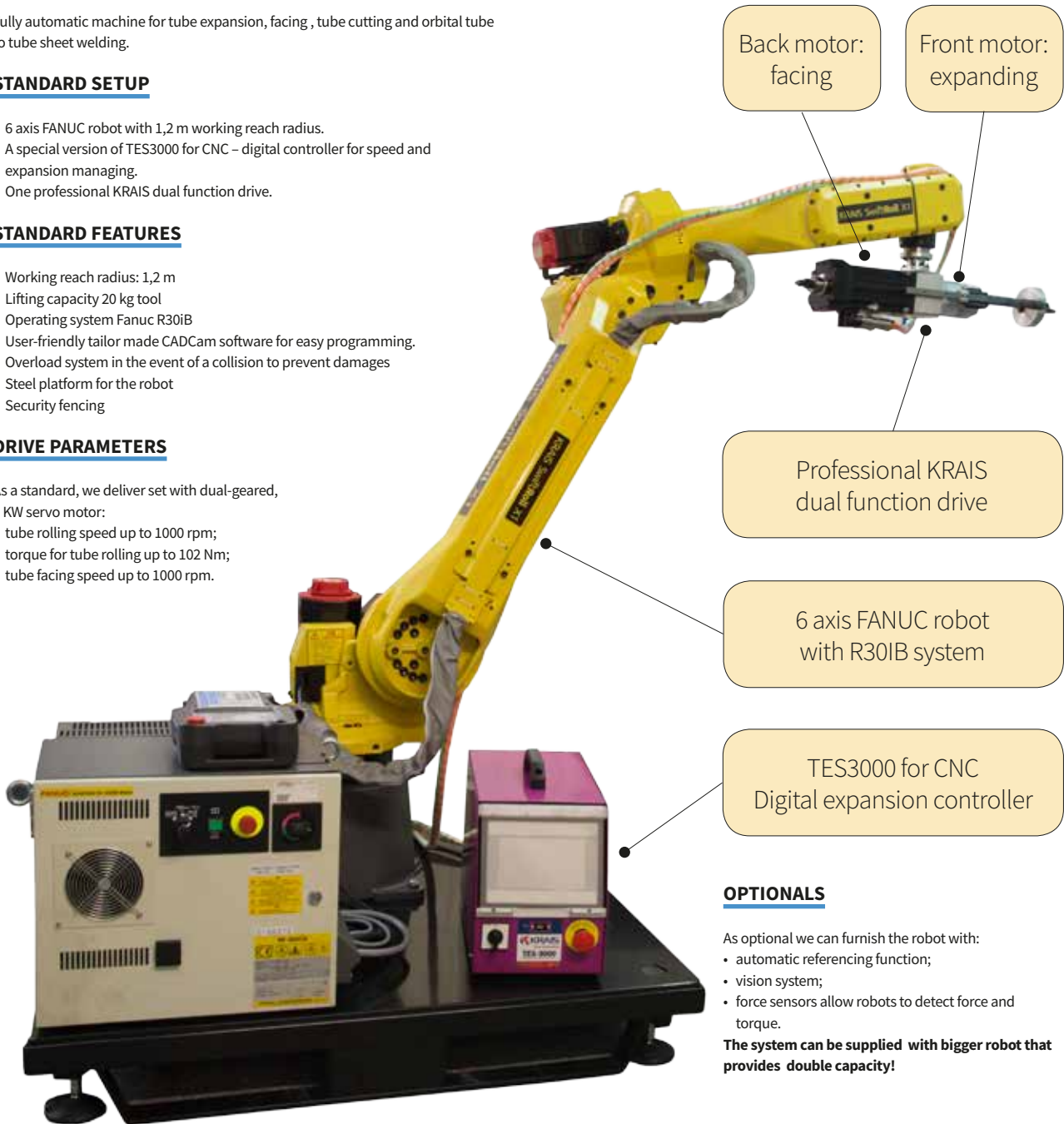
### STANDARD FEATURES

- Working reach radius: 1,2 m
- Lifting capacity 20 kg tool
- Operating system Fanuc R30iB
- User-friendly tailor made CADCam software for easy programming.
- Overload system in the event of a collision to prevent damages
- Steel platform for the robot
- Security fencing

### DRIVE PARAMETERS

As a standard, we deliver set with dual-g geared, 3 KW servo motor:

- tube rolling speed up to 1000 rpm;
- torque for tube rolling up to 102 Nm;
- tube facing speed up to 1000 rpm.



Back motor:  
facing

Front motor:  
expanding

Professional KRAIS  
dual function drive

6 axis FANUC robot  
with R30iB system

TES3000 for CNC  
Digital expansion controller

### OPTIONALS

- As optional we can furnish the robot with:
- automatic referencing function;
  - vision system;
  - force sensors allow robots to detect force and torque.

**The system can be supplied with bigger robot that provides double capacity!**



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