

## FFT hemtec – Single - ES

La estructura modular del **FFThemtec Single** permite una amplia variedad de configuraciones diferentes.

Todas las variantes son herramientas guiadas por robots, compuestas por una carcasa base estandarizada con una celda de carga integrada para la medición de presión y un soporte para hasta tres rodillos de hembrado.

Su flexibilidad permite operar varios derivados en la misma instalación de producción.

El principal uso de la herramienta de hembrado con rodillos se encuentra en la fabricación de componentes, donde se utiliza para la creación de hembrados planos, de gota, en cuña y hembrados especiales en piezas de acero y aluminio.

### Ventajas

- Soporte para rodillos y geometría de los rodillos de hembrado seleccionables a partir de un sistema modular estandarizado.
- Calidad de proceso óptima y tolerancia a errores.
- No requiere suministro de medios.
- Medición de la fuerza de hembrado para el control de calidad y del proceso.
- Adecuado para acero y aluminio.
- Sistema con suspensión durante el hembrado final.

# FFThemtec Single S

Spring Suspended Roller Hemming Head Modular System

## Features

- Roller Bracket and Hemming Roller selectable from modular system
- optimized process quality and fault tolerance
- part tolerances can be influenced by robot program
- no media supply required
- hemming force measurement for quality and process control
- The modular design of FFThemtec Single S creates a large variety of different configurations.

## Hemming Geometry

Flat, rope and special hem at steel and aluminium parts.

# FFThemtec Single F

Rigid Roller Hemming Head Modular System

## Applications

- Doors
- Hoods, Tailgates
- Fenders
- Side Panels

## Heming Geometries

- flat hem
- rope hem
- special hem geometries at steel and aluminium parts

## Features

- Roller Bracket and Hemming Roller selectable from modular system
- optimized process quality and fault tolerance
- part tolerances can be influenced by robot program
- no media supply required
- rigid base can easily be exchanged by FFThemtec Single S without changing the robot program
- The modular design of FFThemtec Single F creates a large variety of different configurations.

## FFThemtec Single Y

Optimised access for curved parts

### Applications

- Hoods, Tailgates
- Fender

### Hemming Geometries

- flat hem
- rope hem
- special hem geometries at steel and aluminium parts

### Features

- Roller Bracket and Hemming Roller selectable from modular system
- optimized process quality and fault tolerance
- part tolerances can be influenced by robot program
- no media supply required
- hemming force measurement for quality and process control
- optimised robot axis configuration at curved parts (e.g. Hoods)

## FFThemtec Single SA

Individual designs according to your requirements.

It is our pleasure to design and manufacture roller hemming heads individually according to your requirements.

## SERVICE OPTIONS

We support your project from the idea to the realization and gladly beyond.

We take into account quality and deadline requirements and we assume the responsibility for the project until turnkey handover.