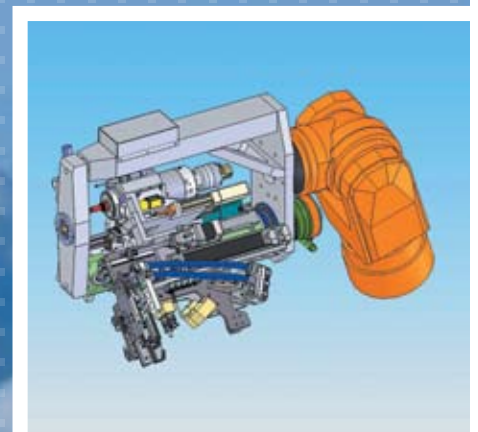


KUKA

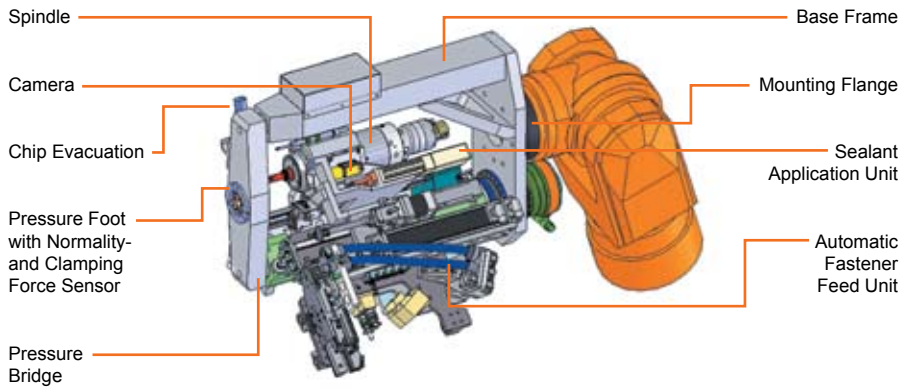
KUKA Aerospace Solutions

KUKA ENDEFFECTORS MULTIFUNCTIONAL FOR DRILLING, SEALANT, FASTENER INSERTING

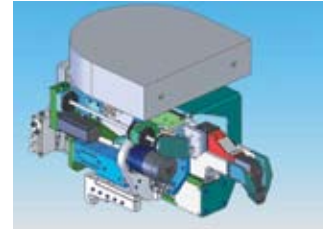


■ **KUKA ENDEFFECTORS**
MULTIFUNCTIONAL FOR DRILLING,
SEALANT, FASTENER INSERTING

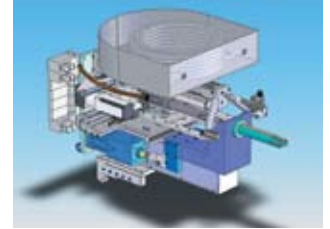
EXAMPLES (NON BINDING):



MULTIFUNCTIONAL ENDEFFECTOR



ENDEFFECTOR WITH NUTRUNNER (HILOK)



ENDEFFECTOR COLLAR INSTALLATION FOR PULL TYPE (LOCKBOLT)

SPINDLE

- Torque: 10 Nm
- Speed: 500 - 18.000 RPM
- Automatic Drill Changer: HSK32
- Internal Drill Bit Cooling (Lubrication)

DRILL FEED

- Servomotor Drive
- Feed Rate: 0 - 2500 mm/min
- Positioning Accuracy: +/- 0,03 mm
- Repeat Accuracy: +/- 0,015 mm

PRESSURE FOOT

- Ccontrolled Clamping Movement
- Clamping Stroke: 20 mm
- Adjustable Clamping Force from 200 N to 2000 N

FUNCTIONS

- Drill Break Control
- Peck Drilling
- Normality Sensor
- Camera with Control and Measuring Tasks
- Processing Two Piece- and Blind Bolts of Various Diameter

FASTENER INSERTING

- Autom. Changeable Insertion Unit
- Processable Fastener Types:
 - HiLok
 - Pull Type (Lockbolt)
 - Blind Bolts

CHIP EVACUATION

Specifications regarding the characteristics and usability of the products do not constitute a warranty of properties. They are intended to serve informative purposes only. Some items of equipment depicted in the illustrations are optional, and are not included in the standard scope of supply. Solely the respective contract of sale shall be binding in respect of the extent of our supplies.

Owing to our engineering know how and the modular design of the EndEffectors we are in the position to satisfy the customer requests in a cost efficient way.

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