Welcome
pick & place robot | ENGEL e-pic
Easy to Use.

- **New robot control RC16** ⇒ *no Programming skills are necessary*
  - Operation / Settings via Teach-Pad (no Touch Pen)
  - Data-Storage / Parameter-Configuration via CC300
  - free programmable Customer I/O’s for individual use

- **Universally and ultimately flexible Product Robot**
  - Robot for picking small parts and sprues
    - Simple extraction (take out) and deposit
    - Part organization flexibility (e.g. grid/stack on conveyor)
    - Sprue cutting / separating

- **Linear Motion although „Hybrid“ Kinematics**
Compact Design.

- **Fully integrated into the ENGEL IMM**
  - minimized space needed for the whole Production-Cell
  - height-optimized through the innovative Kinematics
  - Take-out horizontal or vertical

- **Lightweight Structure | mass reduction**
  - fast Movements | short Cycle-times | high Repeatability
  - Minimum energy consumption → 120 W | -60% compared to a **viper 6**

- **2 kg Payload (parts + EOAT)**
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One for All.

- Suitable for all ENGEL IMM up to 2.200kN
  - No machine-specific Adaptions necessary (plinth, …)
  - No control cabinet
  - CC300-Integration → Data-Storage, Parameter Display

- Plug & Play
  - all Cables pluggable
  - CC300 Interface hot-pluggable

- Stand Alone Operation alternatively possible
One for All.

- **e-victory / victory** VC/EVC 28 - 220
- **e-mac** EMC 50 - 180
- **e-motion** EM 30 - 160T
- Other machines
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Integration into IMM
Simple Operation
Energy-Efficient
Compact Dimensions
Data-Integration into CC300
One robot for All machines
Easy to use.
Compact Design.
One for all.
Technical Data:

- **X-Stroke:** 400 mm
- **X-Reach:** 580 mm
- **Y-Stroke:** 750 mm
- **Z-Stroke:** 1,140 / 1,400 mm
- **C-Axis:** 3 Nm pneumatically (integrated into the vertical axis)
- **Payload:** 2 kg (EOAT + parts)
- **Pneumatics:** 2 Vacuum Circuits (convertible to Gripper Circuits) + 2 Gripper Circuits
- **Operation:** Robot Control RC16 | Teach Pad + CC300
- **Input Voltage:** 115-240 V / 50-60 Hz
- **Compliance:** CE/UL/CSA
- **IMM Interface:** Euromap 67 + EMI Interface
- **Customer Interface:** 8 In + 8 Out I/O’s (freely programmable)
- **IMM-Range:** up to 2,200 kN
  Fully integrated into the extended Safety Guard of the ENGEL IMM