

# HAIMER i4.0 MODULAR TOOL & DATA MANAGEMENT

## 3 Shrink Fit Machine Power Clamp Premium i4.0

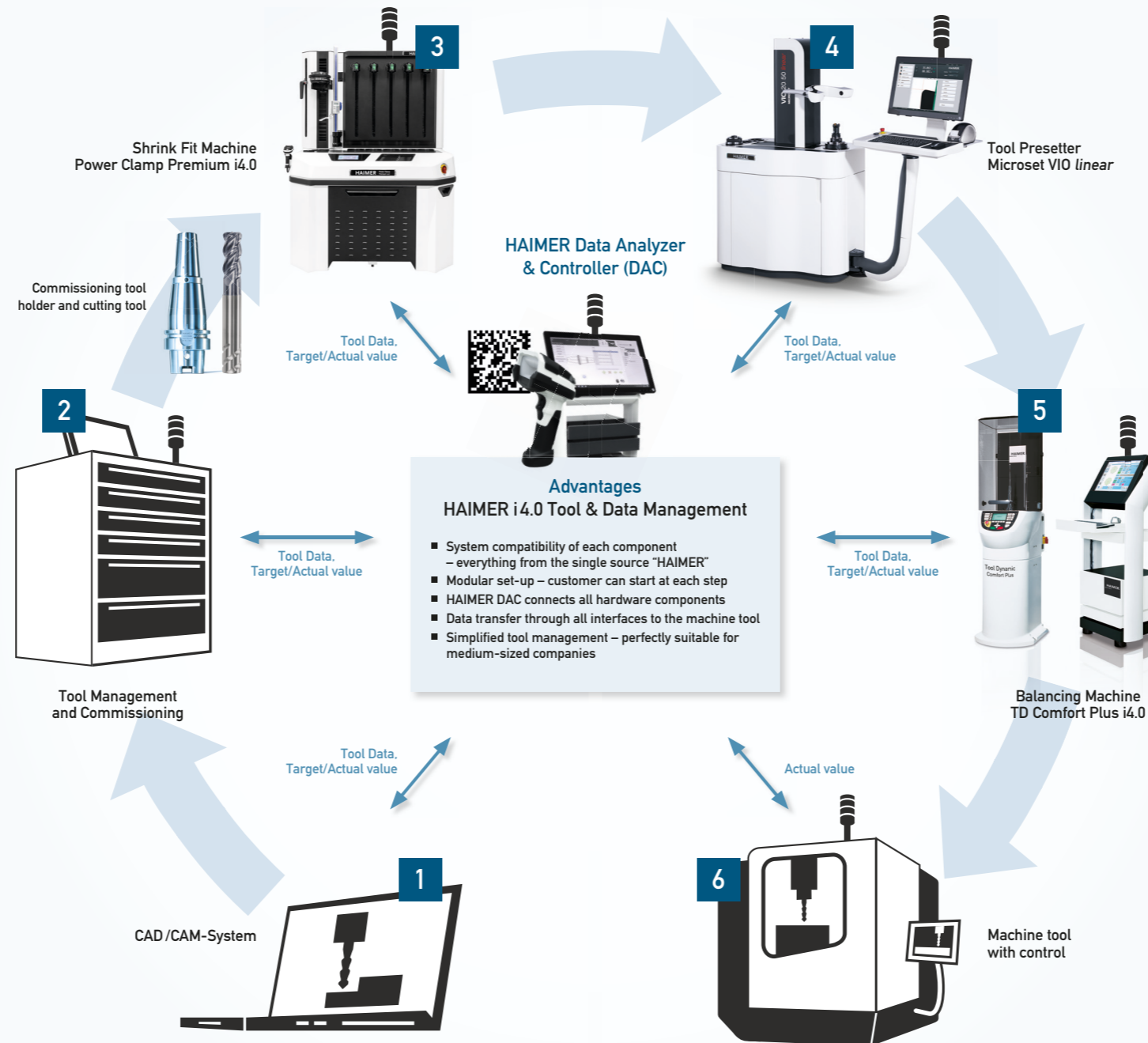
- Signal light at the right assembly station indicates the next workstep (shrinking in the cutting tool or assembly at the tool boy)
- Scanning the data-matrix code off the tool holder recalls the required assembly parameters from the database (shrinking parameters, length adjustment, torque etc.)
- Pictographic assembly instruction in the system helps for visual check
- Subsequent job transfer from HAIMER DAC to the tool presetter

## 2 Tool Management & Commissioning

- Signal light indicates open job order
- Clearly arranged selection of the job that needs to be commissioned
- Simple commissioning through stock shelf indication of all components, through illustration of complete tool assembly and through showing exact position within the stock shelf
- Automatic output of needed components through on-screen selection
- Interactive step-by-step instruction for highest process security and low error rates
- Job transfer to the shrink fit machine through HAIMER DAC

## 1 CAD/CAM-System

- Simple transfer of the generated job to the tool vending system for commissioning



## 4 Tool Presetter Microset VIO linear

- Signal light indicates open measuring job
- Scanning the data matrix code recalls the open job in HAIMER DAC and starts the automatic measuring process
- Once the measuring job is successfully completed, the values will be stored. If the balancing grade of the tool is defined in the job, the data will be transferred from the HAIMER DAC to the balancing machine

## 5 Balancing Machine TD Comfort Plus i4.0

- Signal light indicates open balancing job
- Identification of the tool via data-matrix code and hand scanner
- The requested balancing parameters are recalled from the database
- After recalling the tool ID from the system, the balancing process can be started
- Once the balancing job is successfully completed, the data is transferred to the HAIMER DAC

## 6 Machine tool with control

- Selection of tool and balancing data via data-matrix code scan when loading the machine
- Automatically, the machine control takes over all previously transferred tool data
- Recall and transfer of tool life to the HAIMER DAC via data-matrix code scan when unloading the tool from the machine tool