









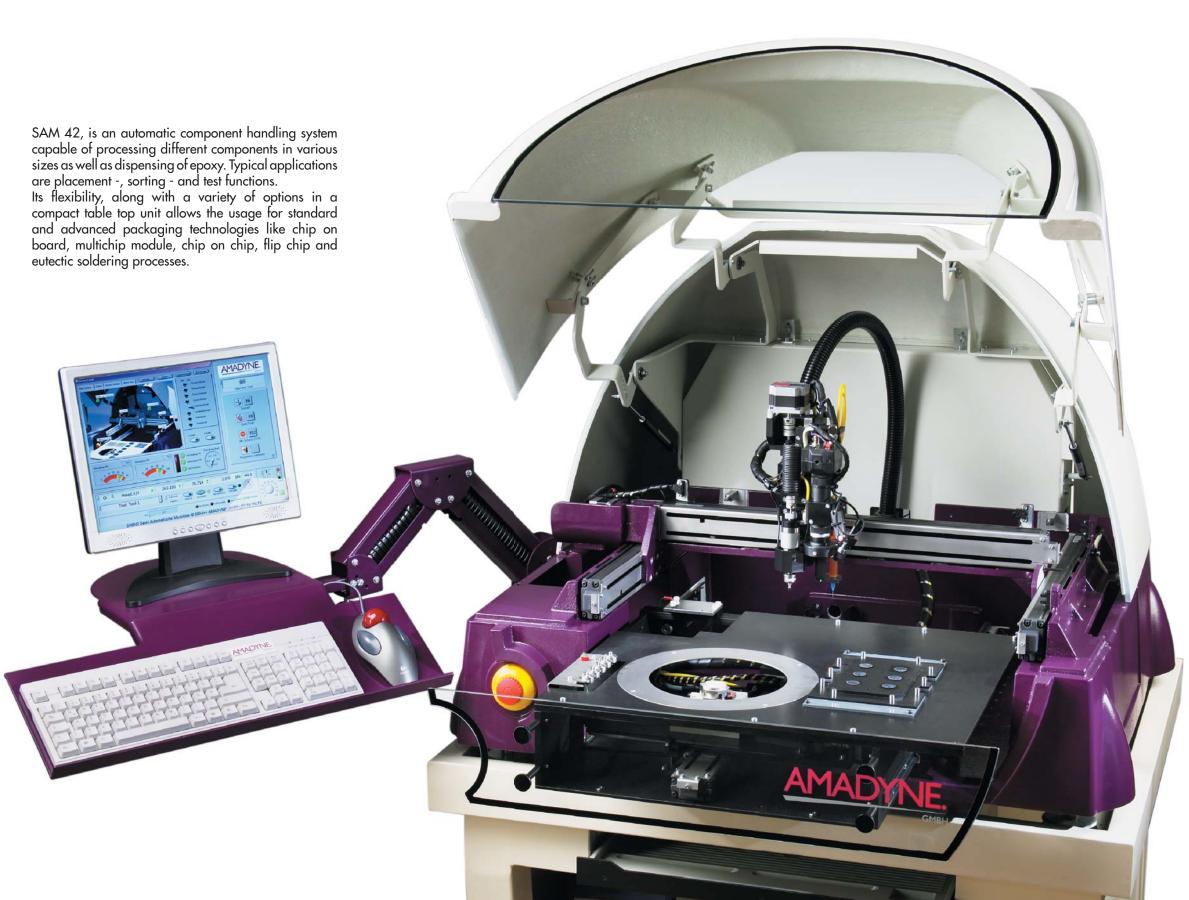


5 SAM42

Keyfeatures

- free organization of the 16" x 16" working area in pickup and placement areas
- component presentation in all forms, waffle pack and GEL PAK, wafer up to
- 12" or tape feeder

 open software architecture with various options
- basic system with modular hardware configuration flexible system design for customer specific solutions easy access to all areas of the machine



Hardware

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Basics

- presentation area
- cartesian robot XYZφ
- toolmount
- CCD camera

Options

- toolbox
- eject system
- dispenser
- stamping unit
- flip chip unit
- uplooking camera feeder bench
- eutectic unit



Presentation area

retractable for easy access to the entire working area



Dispenser

free moveable writing time/pressure or rotary micro valve dispenser with extensive pattern library

Cartisian robot XYZφ with integrated touch down detection, 360° tool rotation, CCD camera, ring -, coaxial - and side light



Stamping unit

dual lane squeegee with selectable speed and individually adjustable epoxy film thickness

Uplooking camera

with coaxial - and ring light for final accuracy optimization prior to placement



Toolbox

for 6 or 12 toolholder positions, automatic tool change

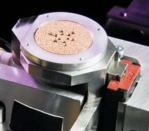


Feeder bench

up to 10 feeder and tape width of 8, 12, 16 und 24



Eject systemexchangeable, single - and
multineedle capable, in x,y
moveable for fixed wafer up to 12"



for substrate sizes up to 25 mm and temperatures up to 450° C in inert gas atmosphere

Eutectic unit



programmable rotation for components from wafer and other forms of presentation



Software

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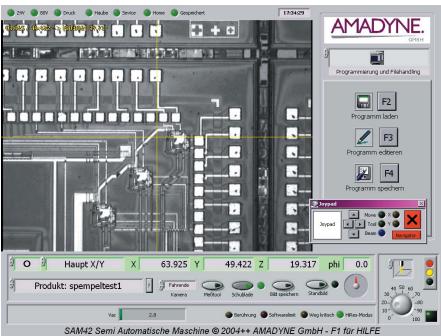
Basics

- easy operation
- rapid application programming
- open and expandable architecture

Options

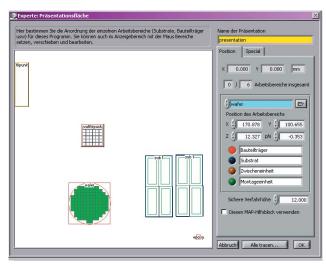
- wafer mapping
- CAD data import
- offline programing
- product simulation
- macro programming language





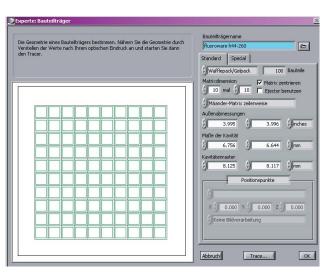
Basic interface

easy, clear operation with menu window, live video and status window



Product presentation

interactive presentation of working area population



Component carrier programming

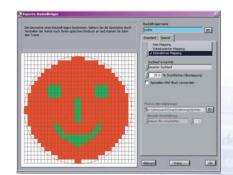
interactive graphical programming of the presentation forms with teach in



Service menu

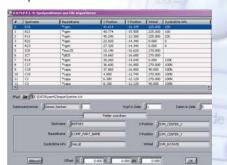
operating of actuators, display of sensor states, system diagnosis

Berührung 🔵



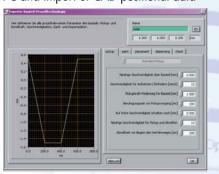
Wafer mapping

display of wafer map on the screen, interactive and filebased mapping compliant with SEMI G81-1000



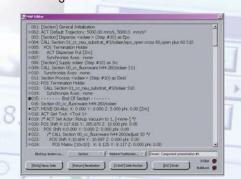
Offline programming

programming of products on external PC and import of CAD positional data



Process technology

easy adjustable process parameters for every component, display of process graph, individual control of component handling



Macro programming language

customer specific solutions in short time

