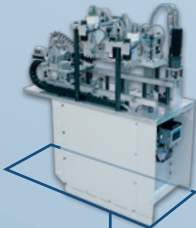
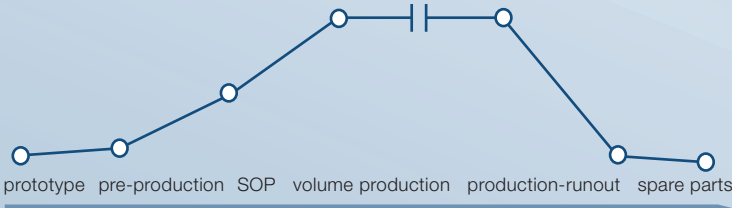


Are you ready
for flexibility?

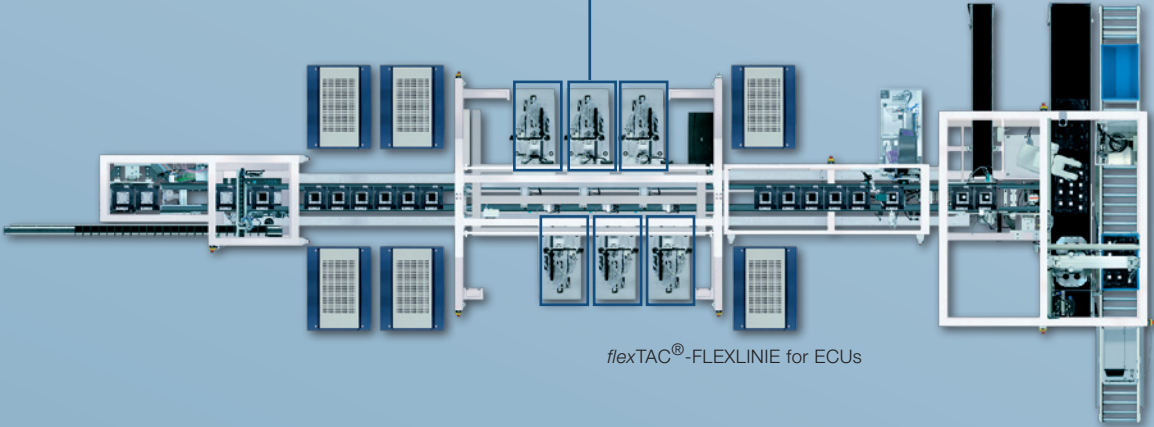


flexTAC[®]

Flexible test automation concept



flexTAC[®]-DS manual test station



flexTAC[®]-FLEXLINIE for ECUs

flexTAC[®] – the flexible test automation concept

Modularity creates flexibility

Today's demand for economic production and testing systems is increasingly characterised by ever-changing technology and shorter production life cycles, as well as the need for integration in global manufacturing strategies.

With flexTAC[®], SOMA has developed an automated test concept which permits the use of standard test and process modules, from the initial sample stage through to full production. This standardisation, which extends down to module level, ensures fully flexible use in a range of test and assembly systems based on the flexTAC[®] concept.

Flexibility increases productivity

Each flexTAC[®] module has:

- ❖ a mounting plate with standard geometric dimensions
- ❖ a protected section for the installation and assembly of control, measurement and pneumatic components
- ❖ a standard module interface for power sources / pneumatic supplies and the transmission of control and test sample signals

1 Level of automation adapted to the production cycle

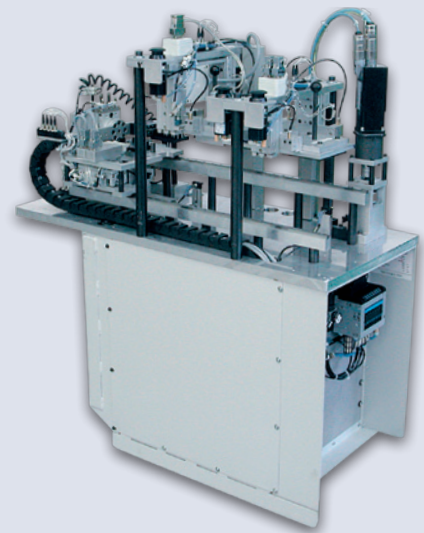
The adaptability of a flexTAC[®] based system permits the individual alignment of the production capacity to the production cycle. Beginning with manual work-stations during pre-production trials, a fully automatic test system can be installed at a later stage, using the existing modules. In this way, optimum flexibility is maintained.

2 Time-based investment in automation

Investment in the installation of complex test systems need not be made in one hit. With the flexTAC[®] system, capacity can be extended in successive stages as the production requirement increases. This reduces investment risk, while production remains flexible and adaptable.

3 Optimised tests and processes with no break in production

Where several flexTAC[®] process modules are installed in an automated test system, the individual modules can be removed and replaced where processes need to be modified. Thus, improvement work can be carried out in parallel with production, without bringing manufacturing to a standstill.



4 Integrating proven test and process modules in automated systems

With the flexTAC[®] concept, modules designed for full-scale production can be used in the prototype phase. Tried and tested process modules can be integrated and extended into automated systems as production volumes increase.

5 Modules can be used again on new products

As one product reaches the end of its production life, the standard process modules incorporated in automated flexTAC[®] systems can be used again for new products. The individual flexTAC[®] process modules can either be used in manual work-stations to cover spares requirements, or converted for use with new products.