

MS620 chip module testing



MS620

The ruhlamat® chip module tester MS620 is designed for testing, initialization or personalization of chip modules on a reel to reel basis. Customers make use of the system as output tester (Chip module manufacturer), input tester and initialization/personalization machine (Card manufacturer) in order to improve the quality control and to increase the personalization process capacity.

The standard MS620 machine system supports 35mm module tape. The chip contacting unit is available with 16-, 32-, 64- or 128-heads for different throughputs. The standard configuration consists of the ruhlamat® stand alone input and output reel, module transport system and 16-head contacting unit. Compact, easy to use software packages are available for testing, initialization and personalization with different protocol and statistic functions.



module testing

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Applications

- automatic testing and pre-personalization of chip modules (all types), especially used for flash controller
- used as an "Input"- or "Output-Tester"
- integration of HSM (Hardware and Software Modul) possible
- integration of different testing hardwares enables to test different electrical parameters

Benefits & features

- throughput up to 45.000 chip modules/hour
- up to 128 head contact unit (testing)
- highest level of individuality by customized design
- modular design guarantees low expenditure
- upgradeable with hard- and software tools
- disconnect station for electronical separation
- counter for good modules
- graphic display
- module tape splicer

Technical specifications

tape specification:

- module tape: 35 mm/ Jedec super 35 mm; pitch 9.5 or 14.25, reel ø 500 mm
- spacer tape: 35mm, reel ø max. 500 mm

IC module types:

- processor modules: T=0, T=1 protocol
- memory modules: I²C-Bus, 2-wire, 2-wire
- contactless and dual interface modules multi-row on 35 mm modules

facilities:

- compressed air: 6 bar, oil-free, dry
- electrical supply: 3 x 400V, 50 Hz (other's possible), 3 kW x 25 A fuse

environmental conditions:

- ambient temperature: 22 °C ± 5°
- degree of relative humidity: max. 70 %

machine dimensions (approx.):

- height: 1.970 mm
- length: 2.000 mm
- width: 1.200 mm
- weight: 800 kg

throughput:

- exceeding 45.000 uph
- depending on number of contact heads and contact time