

Launchers
Satellites
Transversal competencies



SERMA MICROELECTRONICS provides microelectronics integration services to integrate semiconductors on substrates and hermetic or organic packages. Whether dice supply is needed or custom product delivered by the customers, a wide portfolio of potential solutions are proposed by SERMA MICROELECTRONICS to produce final good that can withstand harsh environment mission profile.

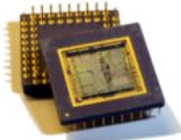
COMPETENCIES & CAPABILITIES

Process Engineering that defines the right microelectronics integration processes in order to industrialize products for customers.

Die Management managing the dice flows (supply, storage, wafer sawing, dice visual inspection).

Microelectronics production implementing the manufacturing & test processes to produce customers goods.

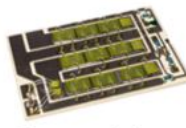
Thick film production defining and implementing screen-printing techniques to produce thick film substrates with high temperature resistance and service life.



Single Chip Modules



MCM / Hybrids



Power modules

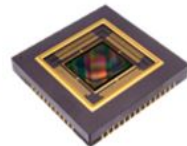


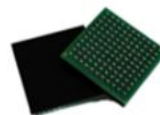
Image detectors



CCGA



Thick films



Enhanced plastic



Thin film

SERMA MICROELECTRONICS

PRODUCTS & SERVICES

The variety of processes available within SERMA MICROELECTRONICS allows addressing various markets and technologies. SERMA MICROELECTRONICS works on maintainability issues by maintaining robust process and securing their availability through time, and focus its R&D efforts on the development and deployment of technological bricks to integrate up-to-date technology (MEMS, High pin count devices, BGA) and mix its microelectronics means and SMT capabilities to integrate SiP (System in Package).

Special processes are also available such as COLUMN ATTACHMENT on LGA packages, this process being developed under ESA contract and validated by ESA for Flight Models production.

Our thick film manufacturing line is also qualified within THALES ALENIA SPACE BELGIUM PID for Flight Models production.

MAJOR SPACE PROJECTS & REFERENCES

LAUNCHERS :

ARIANE 4 / ARIANE 5 / ARIANE 6

SATELLITES :

ARABSAT / ARTEMIS / ENVISAT / GLOBALSTAR / HERSCHEL / INSAT / IRS / METEOSAT / METOP / PLANK / SPOT / HELIOS / SICRAL / TURCSAT / TARANIS / ROSETA / SVOM / JUICE / UVSQ--Sat / MTG / SES17 / KONNECT / KONNECT VHTS / IRIDIUM NEXT / ONEWEB

And several scientific programs.

POINT OF CONTACT

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TURNOVER 12 M€

WORK FORCE 80 employees

SPACE TURNOVER Approx. 3 M€

SPACE WORK FORCE 80 employees