

VLSI Solution

- Office 1000m² at Hermia, Tampere
- Clean room 250m²
- SMT protoline & warehouse 300m²



What we are

- Fabless except testing
- Product company (VS...)
 - Audio, IoT, and Industrial markets
 - Sales through distributors
- Service company
 - Design and production services
 - IP licensing
 - Direct sales
- Totally about 80M ICs manufactured
- Core competence is IC design



Latest achievement: VSRVES01











Most Read

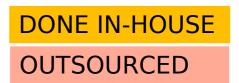
Tamperelainen VLSI Solution yhdisti Linuxin ja RISC-V:n audioprosessorissa

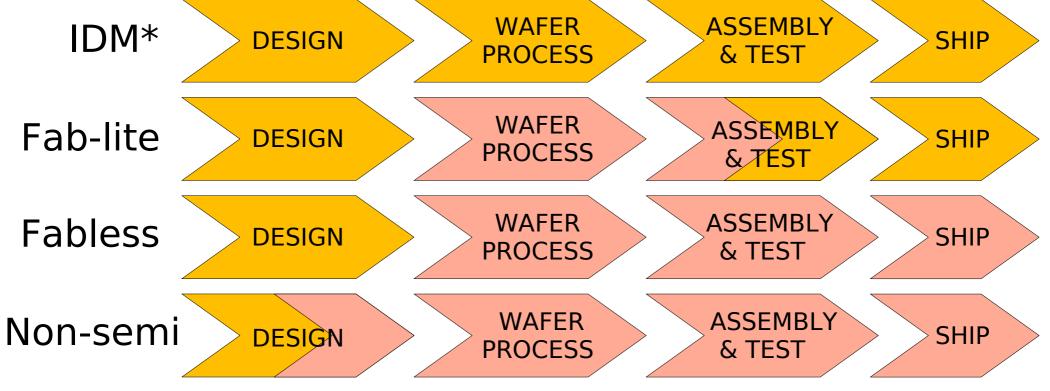
Julkaistu: 30.05.2025

Features of VSRVES01

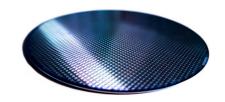
- All IP designed by VLSI
- Combo of two our processors:
 - 32-bit RISC-V Linux core (VSRV1)
 - 16/32-bit DSP core (VSDSP6)
- LPDDR2 Memory interface
- Ethernet, USB, etc peripherals
- Analog line-in and line-out
- DEMO PCB: Audio streaming over ethernet, web server, telnet, etc.

Foundly Model Variants









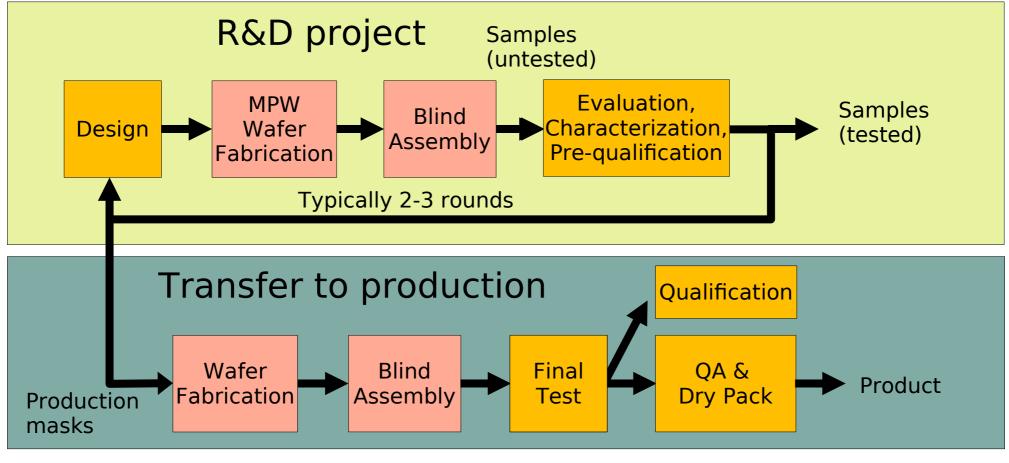


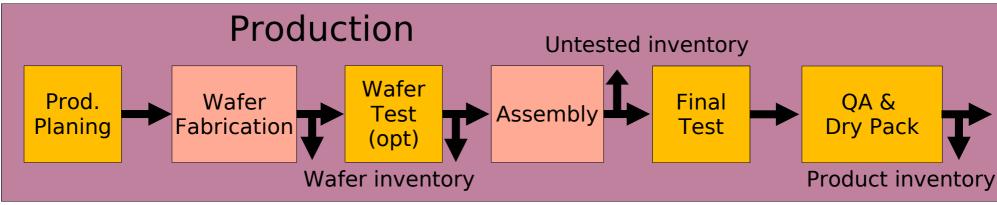




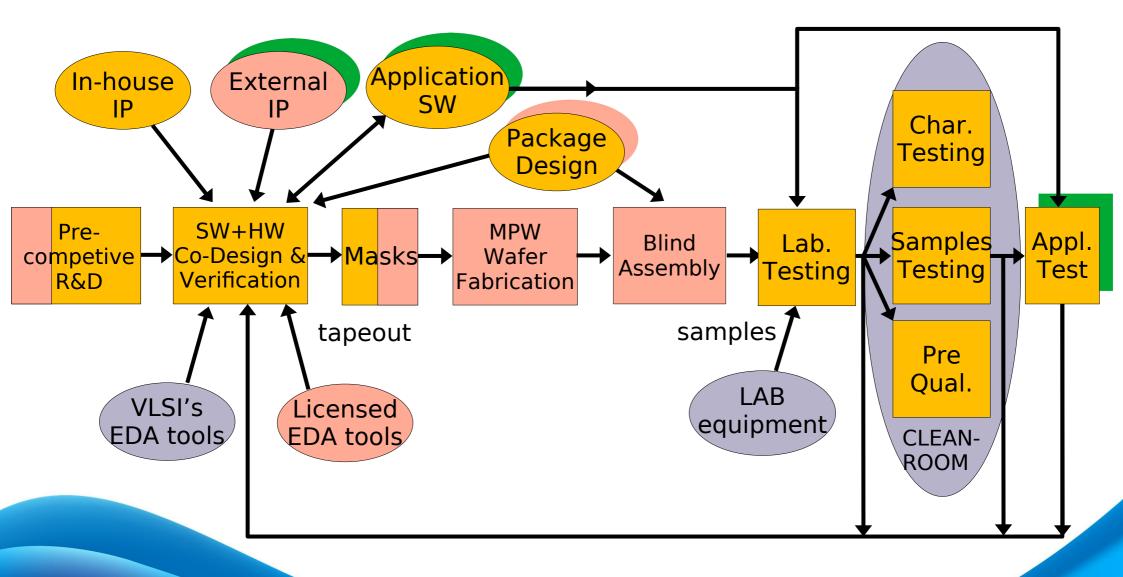
Overview of VLSI's Fab-lite model







Details of R&D project



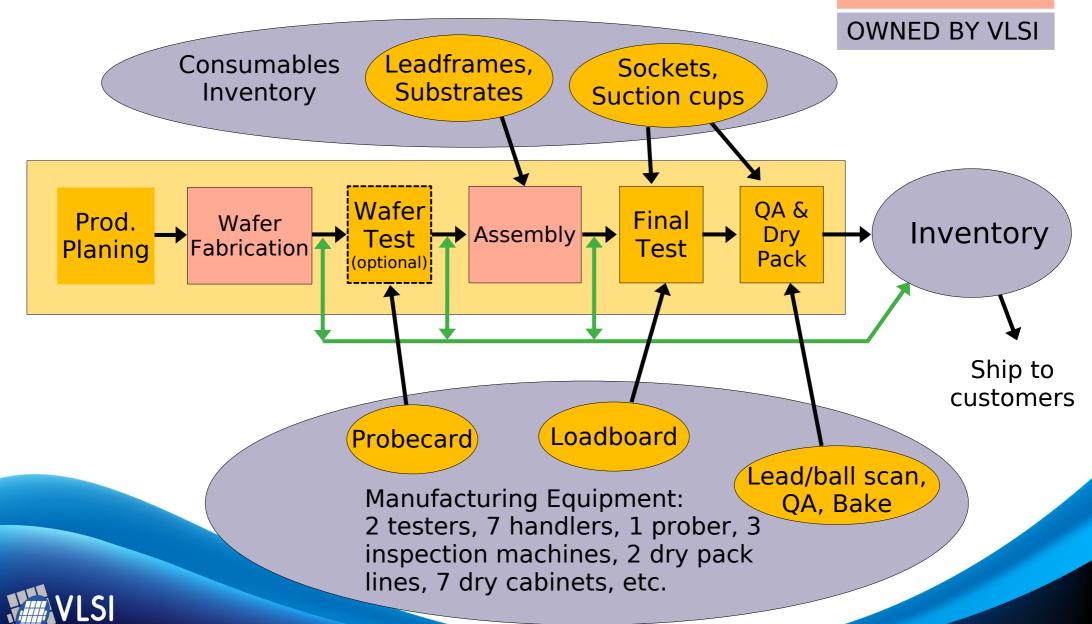


DONE BY VLSI
OUTSOURCED
DONE BY CUSTOMER

Details of Production

DONE BY VLSI

OUTSOURCED



Highlights of VLSI's Foundry Model

Fab-lite manufacturing

- Allows "full" control of the manufacturing
- Has moderately low capital requirement
- Needs only a few people
- Easy to scale up

In-house testing

- DFT becomes included in the design flow
- Reduces Lead times and inventories
- Fast handling of quality issues

