

Smaller and sophisticated devices - yesterday's science fiction is today's reality. It's electronic technology making this possible. However, at the heart of every modern electronics is embedded - **Printed Circuit Boards (PCBs)**.

At Tessolve, we are redefining the way these PCBs power the world. We transform technology with fabrication of time critical and advanced multi-layered PCBs.

PILLARS OF PCB FABRICATION

- ◎ Capable team of design engineers.
- ◎ Command over multi-layer design.
- ◎ A robust fabrication infrastructure.

Wide Range of PCB Manufacturing.



Prototype models



High mix/low-mid volume varieties of finishing



Single sided boards to multilayer stacks

Realizing Flexible Deliveries.



Quick-turn Sample to production order

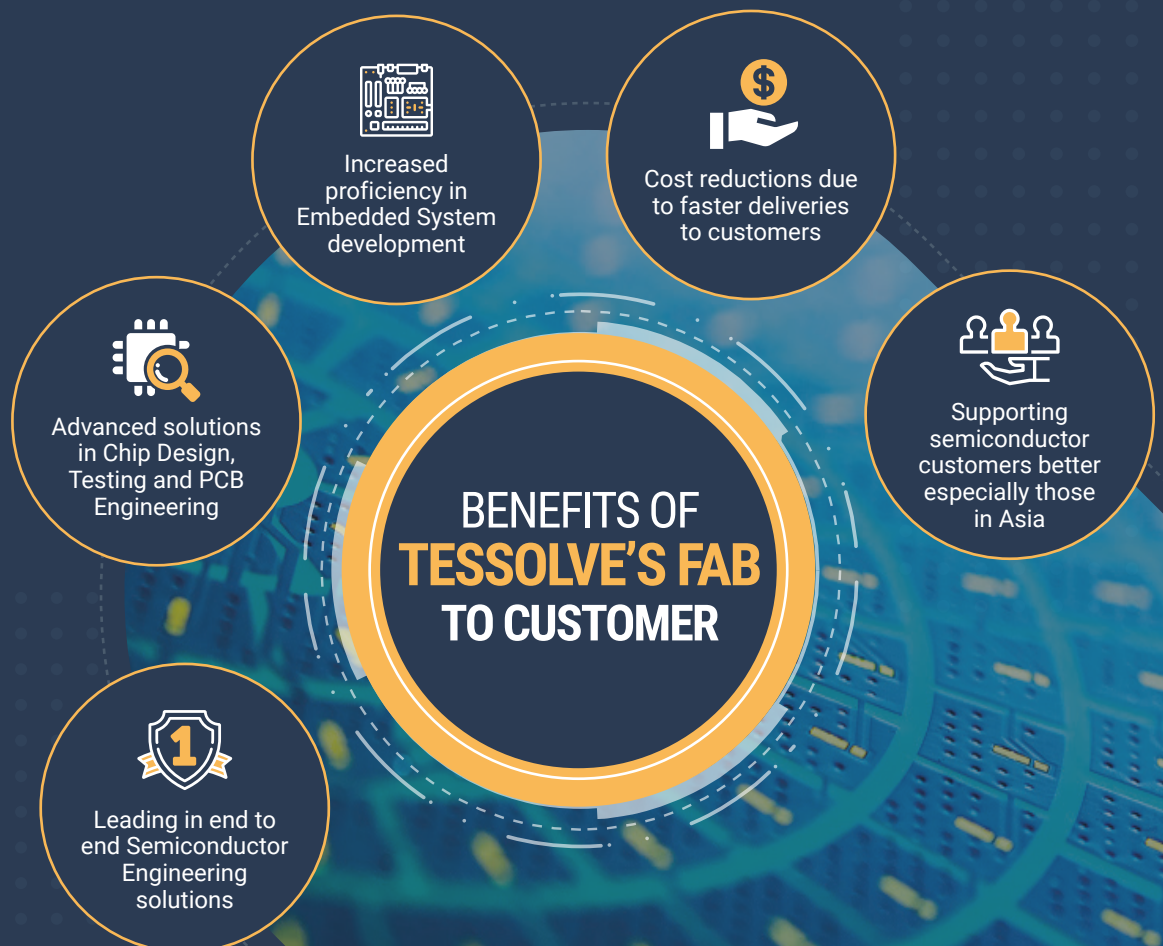


Assembling of Prototypes

SUPPORTING THE PCB JOURNEY:

SPECTRUM, A WHOLLY OWNED SUBSIDIARY OF TESSOLVE

Tessolve acquired **Spectrum Integrated Technologies Sdn. Bhd.** on August 29, 2017. Tessolve now boasts a Printed Circuit Board (PCB) Fabrication unit in Johor Bahru in Malaysia.



OVERVIEW

- Factory Space: 54,000 sq.ft.
- Capacity: 100,000 sq.ft.
- ISO 9001: 2015 Certified

MATERIALS

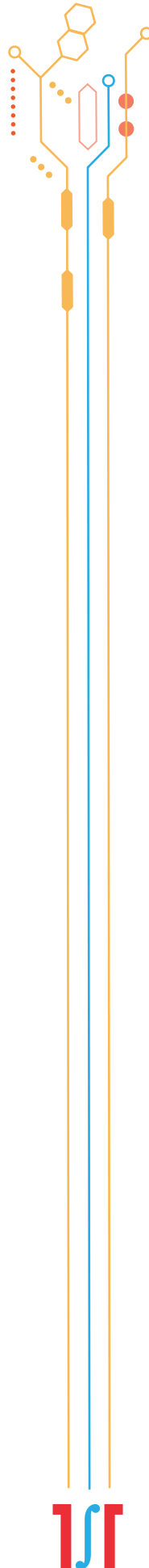
- Standard Tg FR4 (Tg = 130~140degC)
- High Temp Lead-Free FR4 (Tg = 170~230degC)
- Halogen-Free

ENGINEERING SERVICES

- QTA (3-10 days)
- Failure/Risk Analysis
- DFM

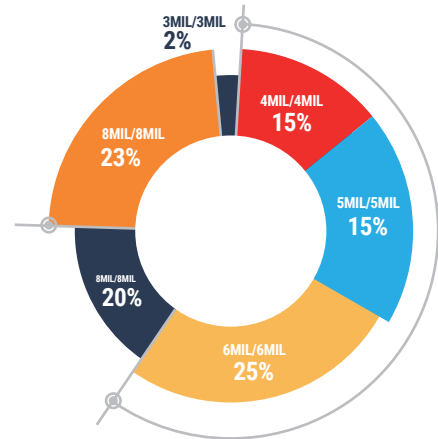
KEY TECHNICAL CAPABILITIES

- 2~30 Layers
- Thick: 0.02~0.200" (0.5~5mm)
- I/L & O/L Lines/Spaces 3.0/3.0mil
- Panel Size (24"x27")
- Controlled Impedance (8%)
- RoHS, REACH, WEEE
- POFV & Buried Via
- Aspect Ratio 16:1
- Hybrid Stack-ups
- Wide range of Surface Finishing

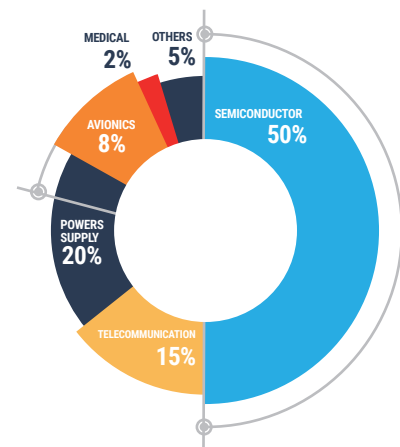


EXTENSIVE FABRICATION CAPABILITIES

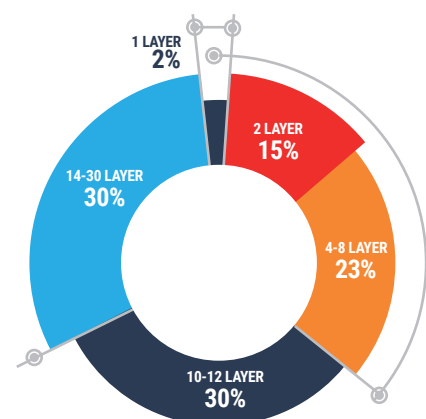
PRODUCT MIX - LINE & SPACE



PRODUCT MIX - APPLICATIONS

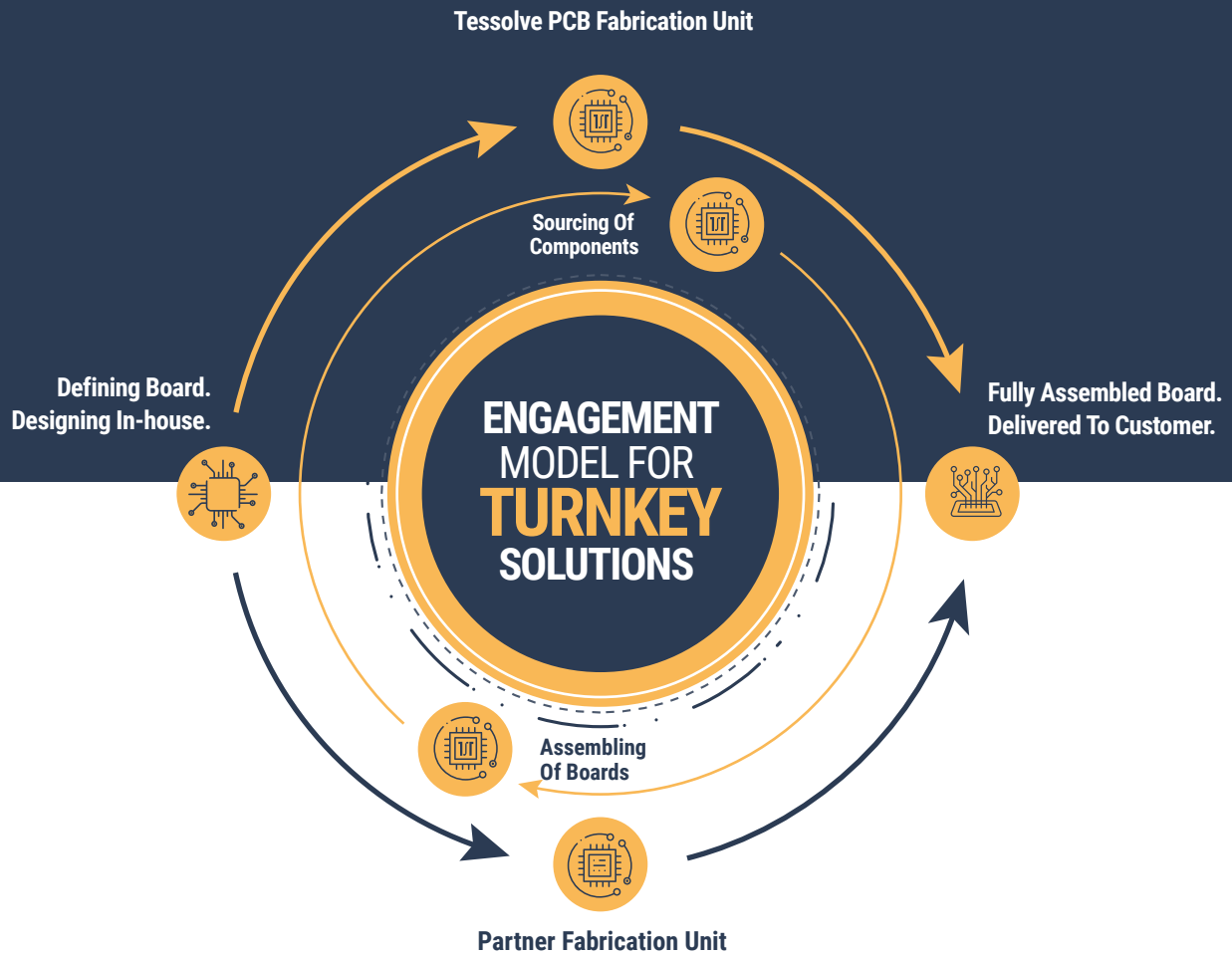


PRODUCT MIX - LAYER COUNT



WHY TESSOLVE FOR PCB FAB

Semiconductor engineering | End to end solutions | Prototypes to production



**A WIDE RANGE OF
EQUIPMENT**

Spectrum Integrated Technologies Sdn. Bhd.
PLO 228 Jalan Kencana Mas 2,
Kawasan Perindustrian Tebrau III, 81100, Johor Bahru, Johor, Malaysia.
Phone: (+6) 07-351 5610 | Fax: (+6) 07-351 1764

Tessolve Semiconductor
USA. India. Germany. Malaysia. Singapore. China.
Ph No. (USA): +1 408 865 0873 | Ph No. (Bangalore): +91 80 4181 2626
E-mail - sales@tessolve.com

www.tessolve.com

