OSRAM Call for Projects „IPA 2017"

PROJECT Vorschlag Nr. 1

Arbeitstitel
Evaluation of Prototyping production line for Light Engines (ready for implementation)

Ausgangssituation / Randbedingungen

There are many options to setup a new prototype production line for Light Engines.

Fast " Time to market" is important, even with a high part of Project business with Customers. A Region for Region setup is define. The Product focus is to put on Electronic Light Engines "LE" for the European Market,

Prototyping is evaluated as a huge opportunity for new business creation.

Aim is to deliver prototypes to customers by provided design with short lead time of 2 weeks.

The technology within the Prototyping line is already evaluated within an IPA17 Project and results are the baseline.

Risk Evaluation of different setups is mandatory: financial, timeline, legacies (e.g. existing p

roducts and EHS risks)

Arbeitspakete:

Evaluation of Prototyping production line for Light Engines (ready for implementation)

Project Milestones and Working Packages:

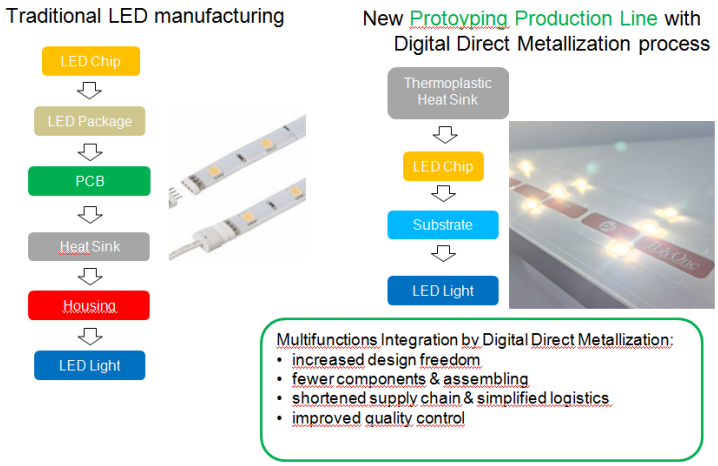
Basic Requirement & Assumptions:

- Knowledge of Plasma technology (DDM by Plasma Innovations) and SMT assembly processes
- Basic economic knowledge: TCO calculation, Product Calculation scheme
- Knowledge of MS Office tools (Word, Excel, PowerPoint)
- Located within in the European Community for easy transporting and customs clearance (pre-material and finished products) Possibility to extend production (space and personnel)

Evaluation Points:

A) Benchmark value benefit of quick samples production for customer

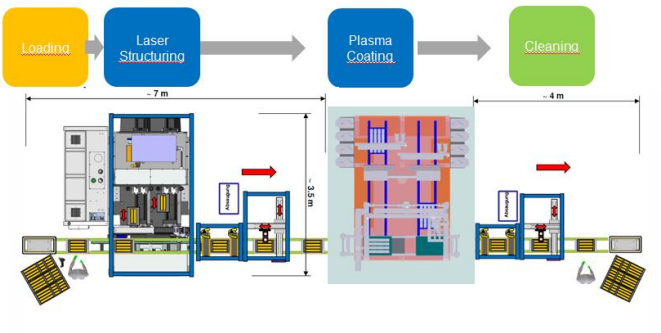
B) Define manufacturing steps of prototyping production line with technology provider /suppliers



C) Evaluate and define required OSRAM capacities (manpower, required space, costs…)

D) Calculate Product Cost and Product delivery time out of Prototyping Line

Example Setting:



E) Prepare Investment Proposal for Set up production line for prototyping

F) Evaluate plasma processing and SMT assembly directly on luminaire casings

Lösungsansatz / Aufgabenstellung

Phase 1

Analyze, Benchmark & Define processing technology based on final Product Cost, Cycle time and Delivery time.

Phase 2

Prepare for Investment & Set up prototyping production line

Standort

OSRAM Garching bei München

Dienstreisen zu unterschiedlichen Lieferanten

OSRAM Bulgarien

Besondere Anforderungen

MS-Produkte (vor allem Excel, Access)

Gute physikalische Grundkenntnisse

Verständnis Technischer Zusammenhänge & Lean Manufacturing

Ideale Teamgröße: 2-3 Studierende