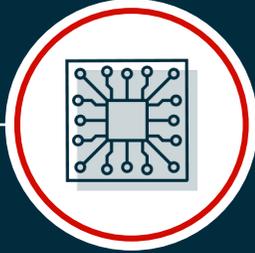


iamcam

The perfect automated PCB
front-end workflow

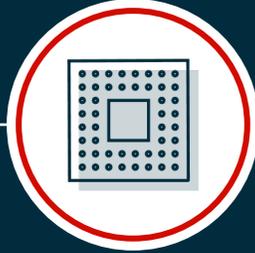
Ucamco 

Challenge



**Standard
boards**

PCB fabricator



**Standard
handling**

Many Jobs/day



Manual

CAM

Expensive, time-consuming, inconsistent quality

Automate CAM



iamcam

Intelligence aided manufacturing



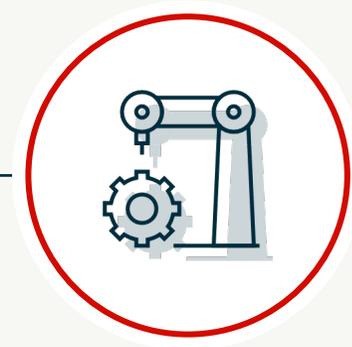
Web server

Workflow system



AI

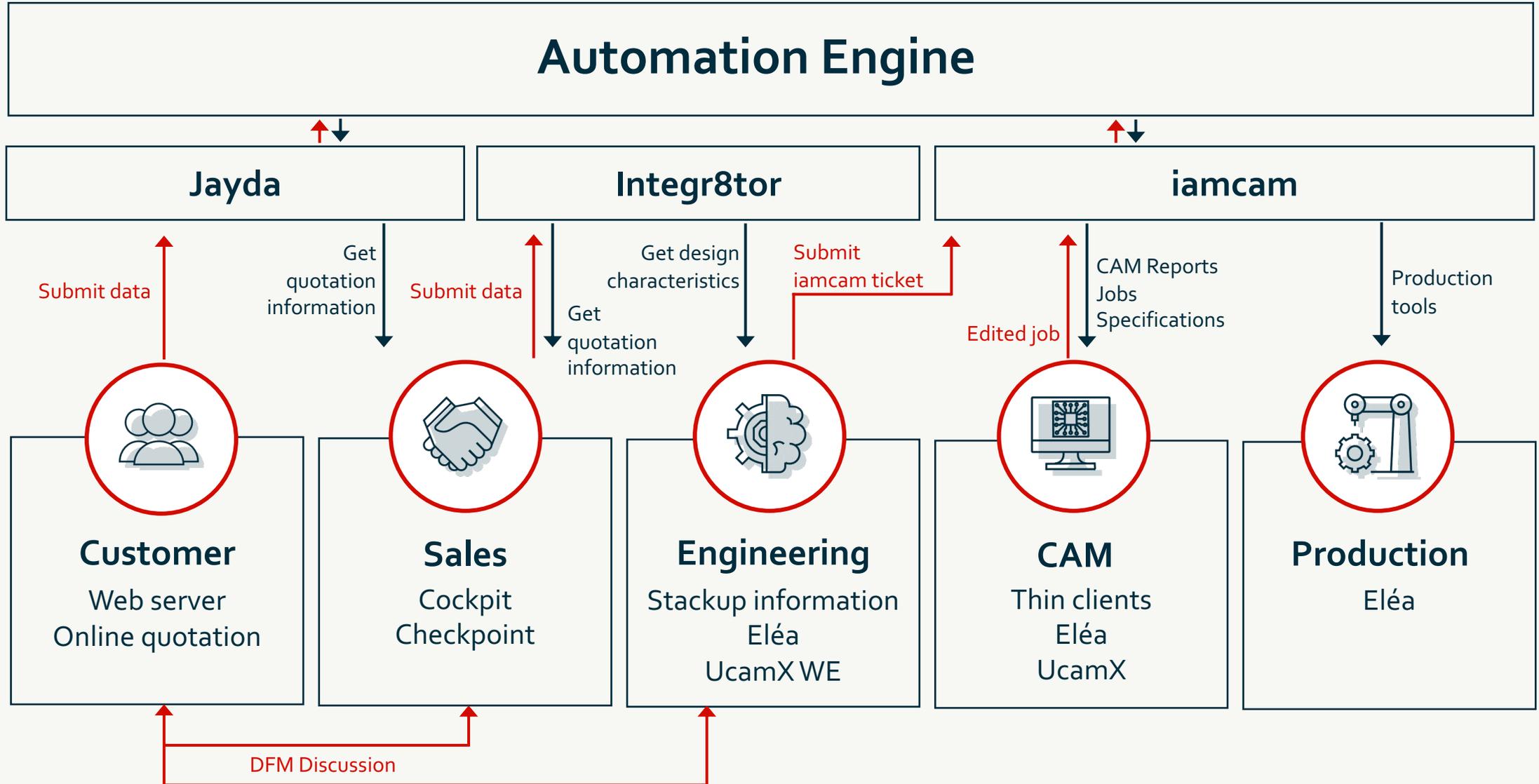
Algorithms



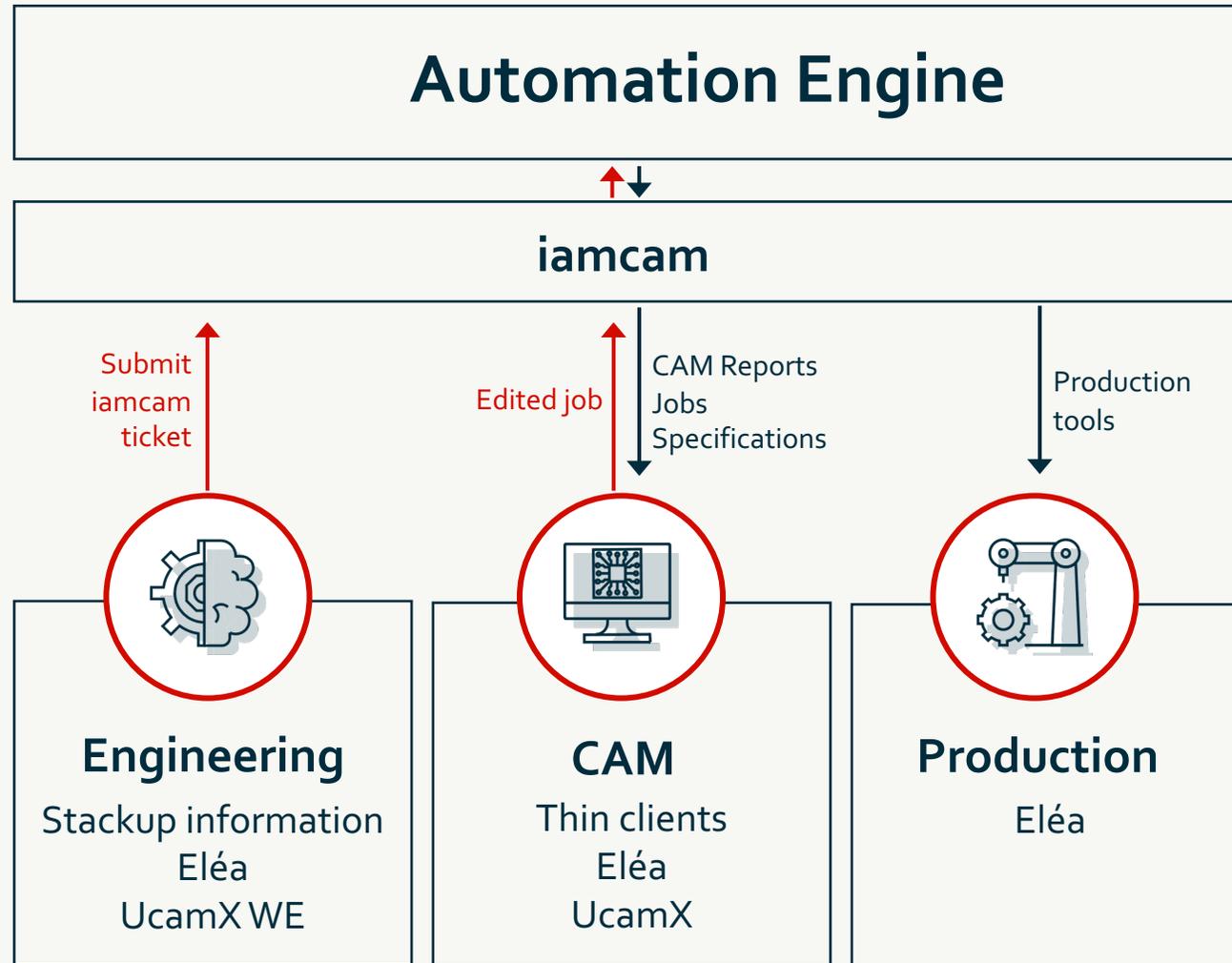
70%

Automated jobs

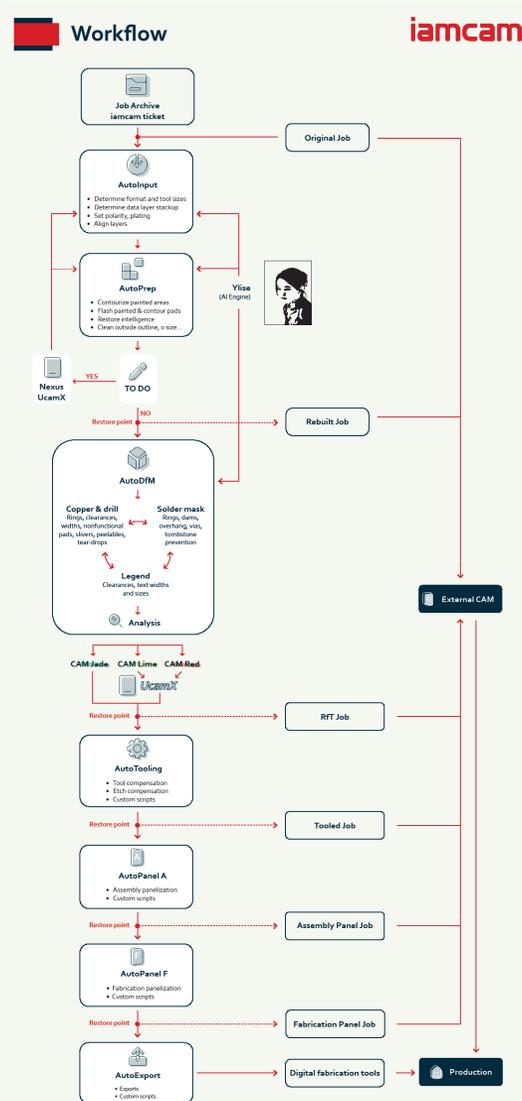
Market reference for Pre-CAM and CAM



CAM automation



iamcam flowchart



iamcam ticket

Briefing for this PCB



Requirements

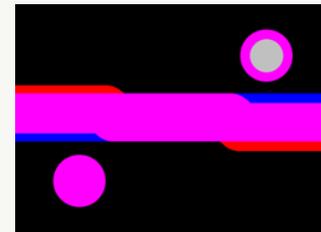
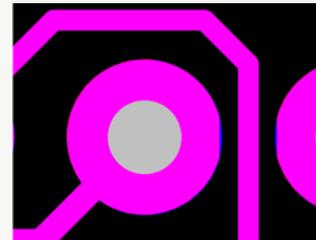
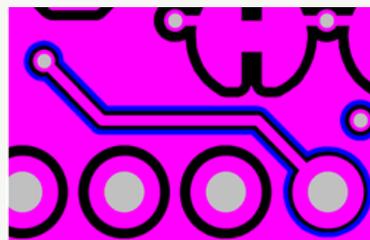
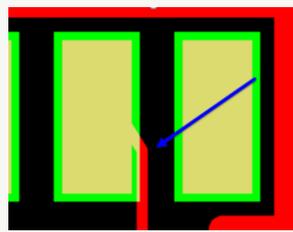
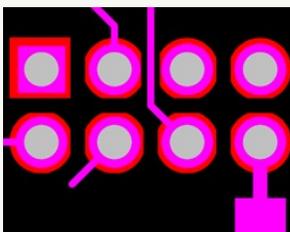
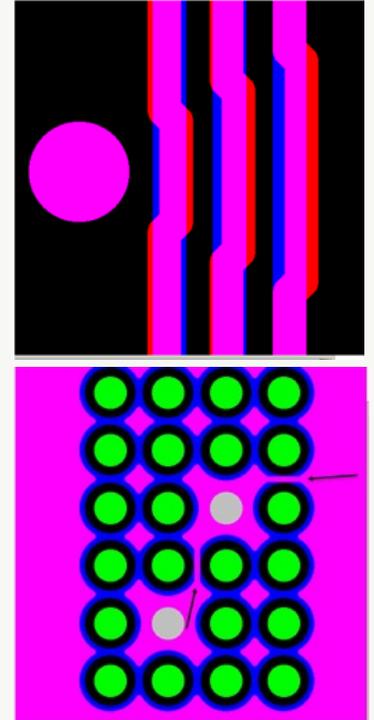
Depends on class, weights, customer, size, layer count

Drill tool creation, ring & clearance values, minimum widths and sizes, via & mask, non-functional pads, etch-compensation

Edits allowed

Depends on customer, class, ... each method can be allowed and parametrized

Change tool size, move via stack, move traces, via pad shave, region shave, create/optimize/remove via mask openings, move legend text....





iamcam Ticket

Briefing for this PCB



iamcam ticket library

A library of pre-defined tickets from which to choose

Attach to job

Include in archive

Manual add in Cockpit

Set by ERP via HTTP request

Script using job characteristics

...



iamcam benefits

Automation

Increasing complexity of jobs

Tighter lead times

Price pressure

Automation is the answer!

You have seen how your **current team** can complete **more jobs** daily by *automating recurring, tedious and non-value-added front-end tasks*.

Ucamco's Automation Engine automates over 100 front-end tasks.





iamcam benefits

The cost of doing nothing



**Reduce errors
by 40%**

iamcam increases
quality

**Increase
efficiency,
throughput**

by standardizing
processes

**Save time
and money**

70% more jobs,
automated

Ask yourself: what is the price tag of late deliveries, scrap or production standing idle.
Choose not to settle for the status quo!



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