

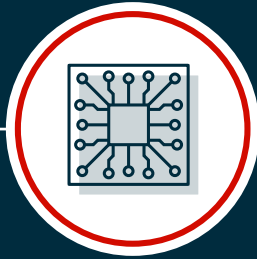


# iamcam

The perfect automated PCB  
front-end workflow

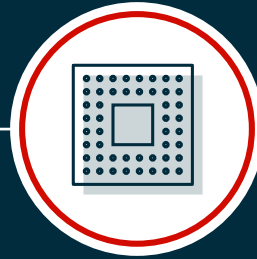
**Ucamco** 

# Challenge



**Standard  
boards**

PCB fabricator



**Standard  
handling**

Many Jobs/day



**Manual**

CAM

**Expensive, time-consuming, inconsistent quality**

**Automate CAM**



# iamcam

Intelligence aided manufacturing



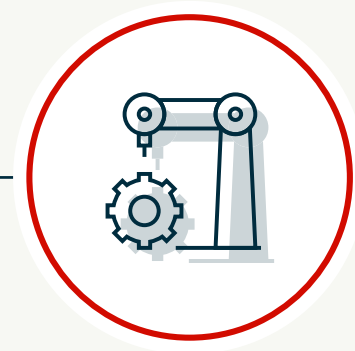
**Web server**

Workflow system



**AI**

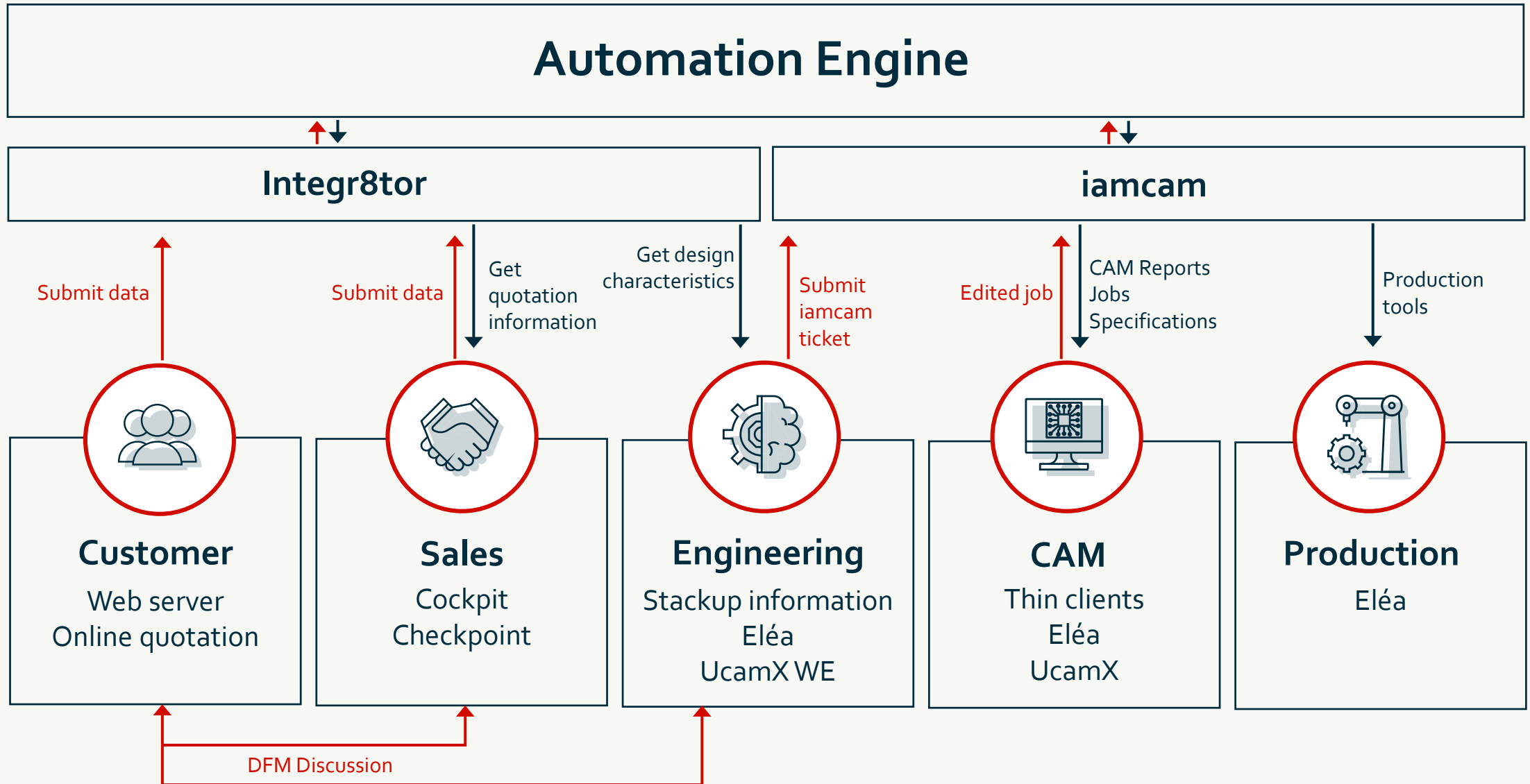
Algorithms



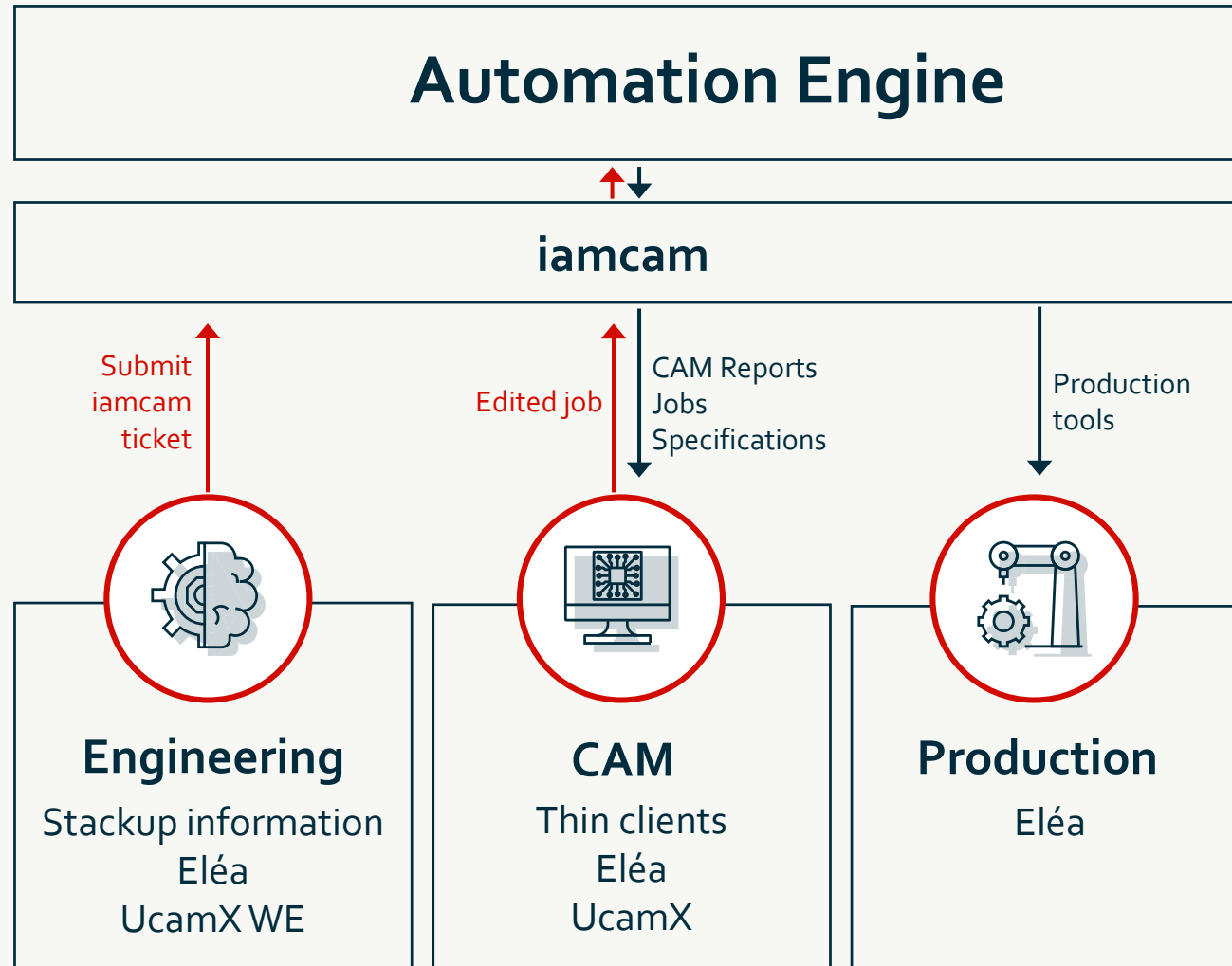
**70%**

Automated jobs

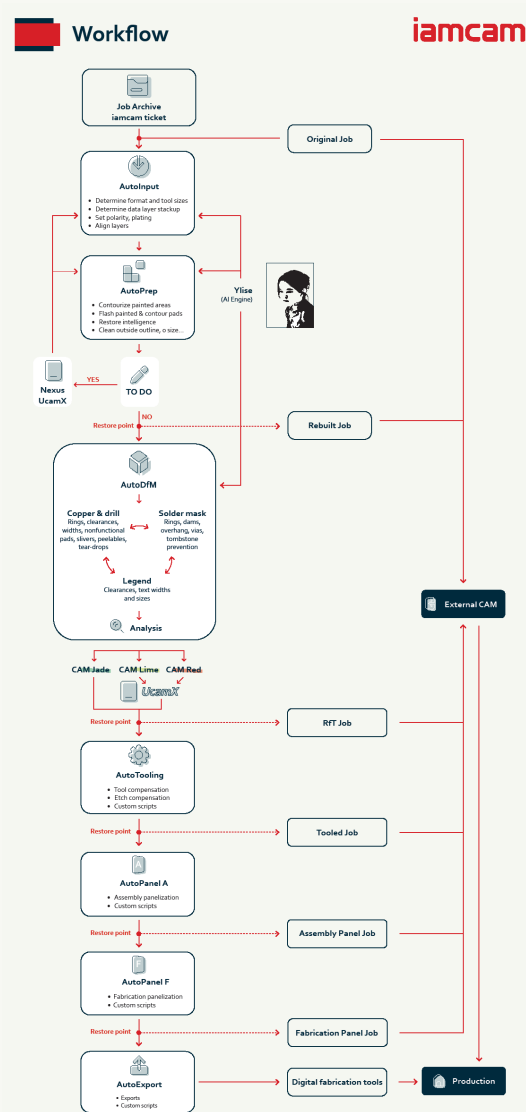
# Market reference for Pre-CAM and CAM



# CAM automation



# iamcam flowchart



# iamcam ticket

## Briefing for this PCB



## Requirements

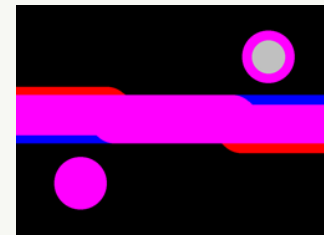
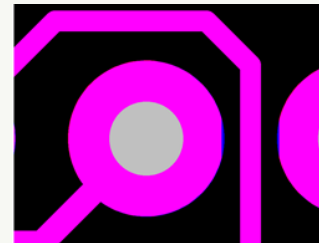
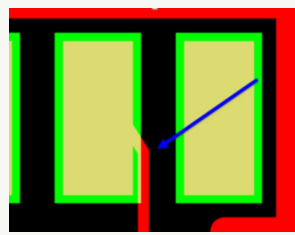
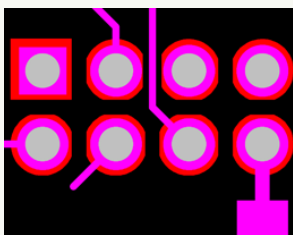
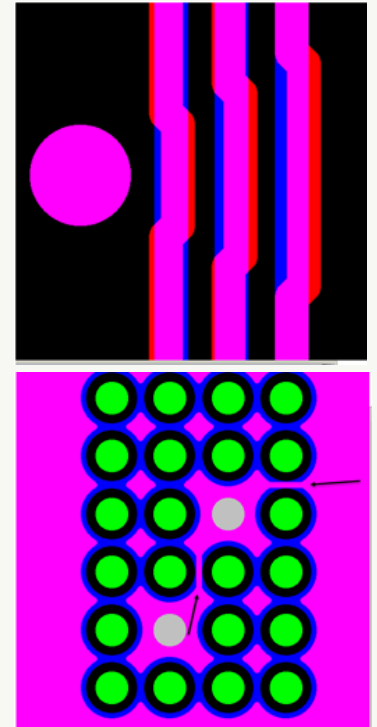
Depends on class, weights, customer, size, layer count

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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