



# Electro-mechanical Assembly

Uncommon amongst today's contract electronics manufacturers, JJS also has a high level of proficiency in electro-mechanical and non-electronics based, precision mechanical assembly techniques.



## Precision mechanical assembly

Often with a similar number of parts to a PCB assembly, JJS produces many complex mechanical assemblies that demand equally high levels of skill, precision accuracy and consistency.

The engineering and manufacturing teams at JJS are highly skilled in this kind of precision work. Indeed there is considerable in-house experience in producing electro-mechanical assemblies with such high levels of

moving parts, that we typically refer to these as 'machines' rather than 'products'. This capability, the awareness of critical engineering tolerances and the skills required to use a range of mechanical tools and gauges etc are key to producing moving electro-mechanical assemblies of this complexity. Our skills-base also extends to producing and testing electro-pneumatic assemblies.

## Electrical assembly



Many of the assemblies produced by JJS Manufacturing require wire and cable interconnections between boards and sub-assemblies. These can be via cable forms or point-to-point wiring and can often require critical cable routing in order that the moving parts of these 'machines' may function. Electrical wiring of switch and instrument panels is also an essential element in the manufacture of many of our customers' systems and machines, involving yet another comprehensive set of skills which we have built up through years of experience in this field.



## Lean manufacturing principles



JJS operates quality-controlled production lines with sophisticated - interactive electronic documentation, bar-code tracking, work instructions and variant management. JJS has considerable experience of establishing 'lean lines' to produce complex electro-mechanical assemblies that can be dynamically resourced by between 2-10 operators and supported by 24-hour replenishment through line-side KanBan-based 'pull' systems. With these lean manufacturing elements in place, complex mechanical assemblies can be produced in line with live customer demand.



## Find out more

JJS Electronics Ltd  
Wycliffe Industrial Park, Leicester Road, Lutterworth,  
Leicestershire, LE17 4HG, United Kingdom

JJS Electronics Sro,  
Pražská 585, Chomutov, 43001, Česká republika

[e info@jjsmanufacturing.com](mailto:info@jjsmanufacturing.com) [t +44 \(0\) 1455 555 500](tel:+441455555500)

[www.jjsmanufacturing.com](http://www.jjsmanufacturing.com)

Part of the Paragon Electronics Ltd Group of Companies  
[www.paragonelectronicsgroup.com](http://www.paragonelectronicsgroup.com)

