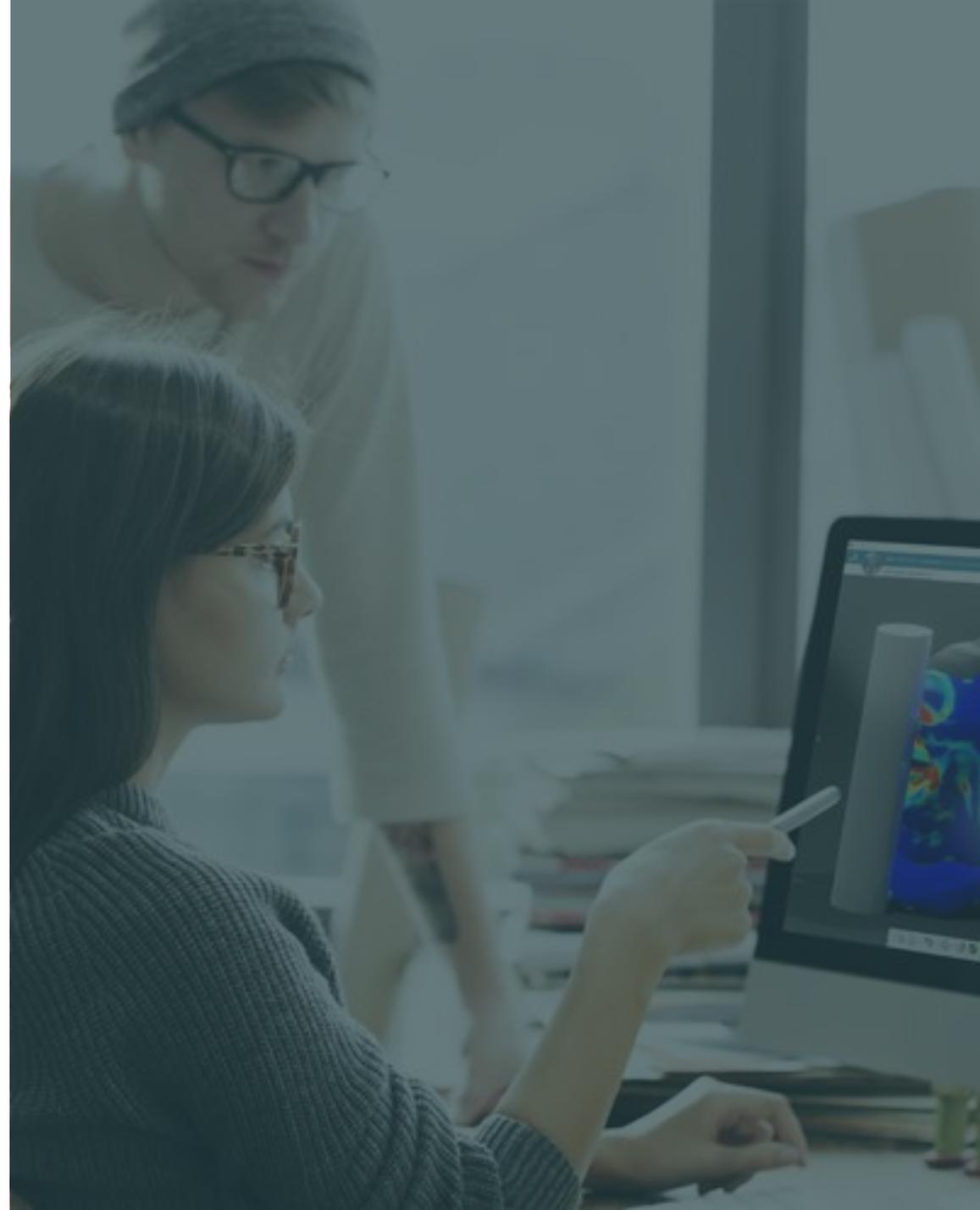


How Leaders of CNC Machine Shops Stay Strong in this New Norm



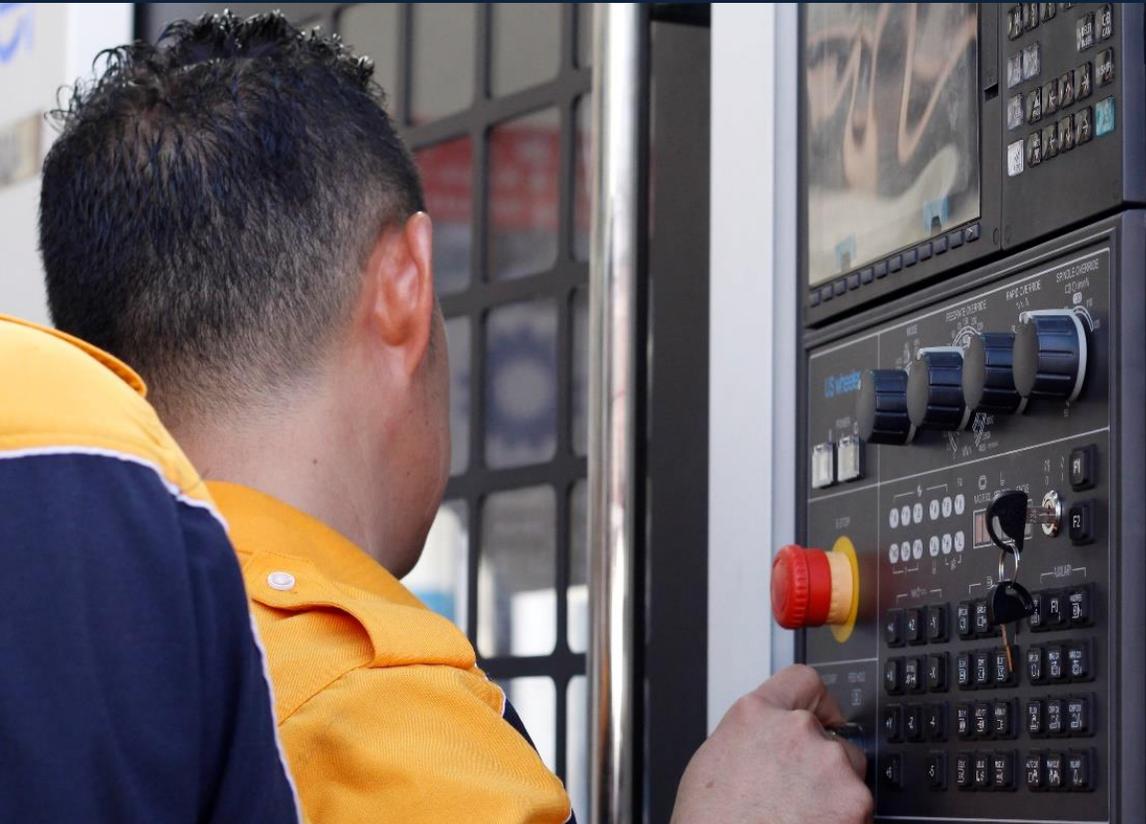
BUSINESSES ARE STRUGGLING TO FIND PROFIT

- Manufacturing is a key sector for Malaysia. It drives a lot of our trade receipts and also helps to boost employment.
- Every year, Malaysia is a destination for foreign direct investments in the manufacturing space. It comes in all sorts of industries and the range has diversified over the years that Malaysia is a large exporter of solar panels to go along with the traditional electrical and electronics products it finds its way in products sold throughout the world.
- The movement control order (MCO) is having an impact on manufacturers as not all are classified as essential. Data reveals that investments implemented worth RM62.5bil that employs over 112,000 jobs are now severely affected by the MCO.
- The loss of production and exports accounted from just the manufacturing sector for the first 14 days of the MCO is forecast at RM64.6bil and RM32bil respectively
- Business is no longer usual due to the Covid-19 global pandemic.



COMPANY LOSSES THAT CANNOT BE SUSTAINED

**Covid-19 is likely to affect many different manufacturing industries and sectors across the globe.*



In our current situation, a lot of companies are facing losses that are very difficult to sustain, and they are feeling the pressure and stress of it. Therefore, the consensus to restart the manufacturing sector, along with other segments of the economy, is now picking up speed.

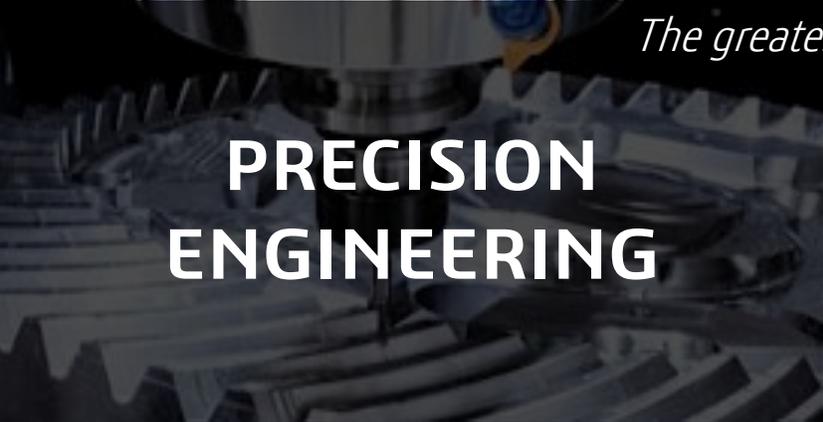
These losses by companies cannot be sustained for too long and there will be a tipping point when that will translate to employment.

As it is, the warning about job losses are mounting and that is something that the government is trying hard to avoid. It is inevitable that people will lose their jobs but coupled with pay-cuts that are increasingly rampant, the resuscitating of the economy will be more harder than earlier estimated should the MCO period be prolonged.

But these are times of a health emergency but the juggling between the welfare and health of the people is a delicate job for the politicians to make.

INDUSTRIES SECTOR CHALLENGES

The greatest impact of Covid-19 is seen extensively in these industries



**PRECISION
ENGINEERING**



AUTOMOTIVE



**MACHINERY &
EQUIPMENT**

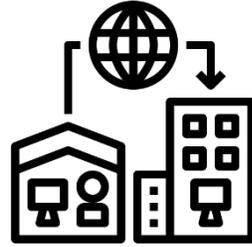
Issues that industries sector might face:

- As demand reduces for inputs, many of these industries sector may experience a prolonged reduction in capacity and cost structure – and that could translate into possible staff reductions and related measures.
- CNC Manufacturers, due to the nature of their business, should expect that they will need to change where (via social distancing) and when (staggering or rotating shifts) their workers works.

Steps to considered:

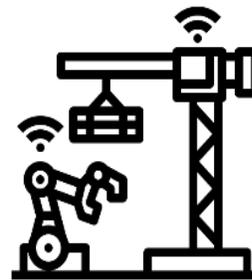
- Utilize advanced CAD/CAM software to build a digital twin of each CNC that includes a CAD model of the CNC Machine and tooling for accurate program simulation, and create post processors designed to output machine-optimized, edit-free G-code and allowing employees to work remotely from home.
- Utilize intelligent machining technology with knowledge based to automate cutting process.
- Utilize high speed machining technology cutting at full depth with reduced radial engagement results in improved cutting performance and shorter cycle times.

HOW SMART LEADERS INNOVATE AND REDUCE COSTS BY UTILIZING ADVANCED TECHNOLOGY



Working remotely, flexible working arrangement:

- Utilize user friendly CAD/CAM software – SolidCAM to produce precise G-code, simplified programming and machine utilization goes up, while both setup and cycle time drops.
- Utilize SolidCAM Machine Simulation, helps to identify any program errors before they cause costly mistakes on the shop floor. SolidCAM helps to build a digital twin of each CNC that includes a CAD model of the CNC and tooling for accurate program simulation and create post processors designed to output machine-optimization, edit-free G-code and allowing employees to work remotely from home.



Reduce manpower, machining time & costs:

- Less reliance on experience CAM programmer by utilizing iMachining technology. The patented Technology Wizard provides automatically optimized feed & speed values resulting in much shorter and simpler programming procedures for greatly increased programming productivity. Get it right, the first time..... Every time.

TIPS TO MAXIMIZE MACHINING EFFICIENCY

Here are some tips and tricks to maximize machining efficiency: There are changes you can make in each of these areas – machining time, start-up costs, materials costs and other manufacturing costs – to help with CNC machining cost reduction. There are some product requirements that you won't be able to change, but taking steps to ensure your design is optimized can significantly reduce CNC machining cost. Here are a few of our tips!

1. Avoid the Guesswork of Optimum CNC Settings

- SolidCAM and its patented Technology Wizard provides automatically optimized feed & speed values resulting in much shorter and simpler programming procedures for greatly increased programming productivity. Get it right, the first time ... every time.

2. Save 70% and more in CNC Machining Time

- Access the knowledge and experience of hundreds of CAM and CNC experts in the palm of your hand, as the iMachining Wizard and superior Tool Path feature bring you to an entirely new level of CNC performance.

3. Drastically Extends Cutting tool Life

- SolidCAM can provide unbelievable savings and increased efficiency in your CNC milling operations, by essentially doubling your machine tool life.

4. Complete CAD/CAM integration with SOLIDWORKS & Other 3D CAD Systems

- Saves time and frustration: Eliminates import/export challenges
- Gets you up to speed fastest: Extremely short learning curve because you would already be familiar with SolidCAM interface as it runs right inside your CAD systems



The advertisement features a blue and white background with a diagonal line. On the left, a metallic CNC tool bit is shown. The text 'TIME SAVINGS' is in a bold, sans-serif font, followed by '70%' in a very large, bold font. Below this, it says '... AND MORE!'. To the right, the 'imachining' logo is displayed, with 'i' in red and 'machining' in black. Above the logo, it says 'The new, revolutionary Milling technology' and below it, 'by SolidCAM'. In the bottom right corner, the 'SolidCAM' logo is written in large, red, 3D-style letters.

FIND US

Malaysia

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