

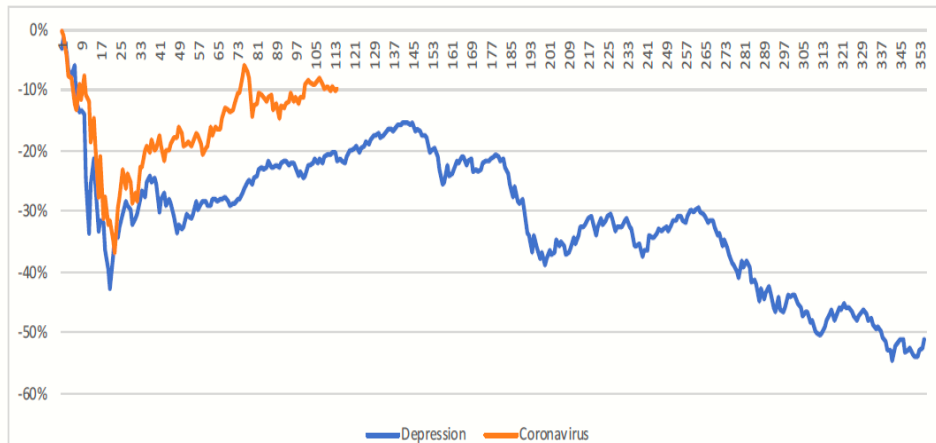
Ivent Solutions Market Trend Update

August 2020

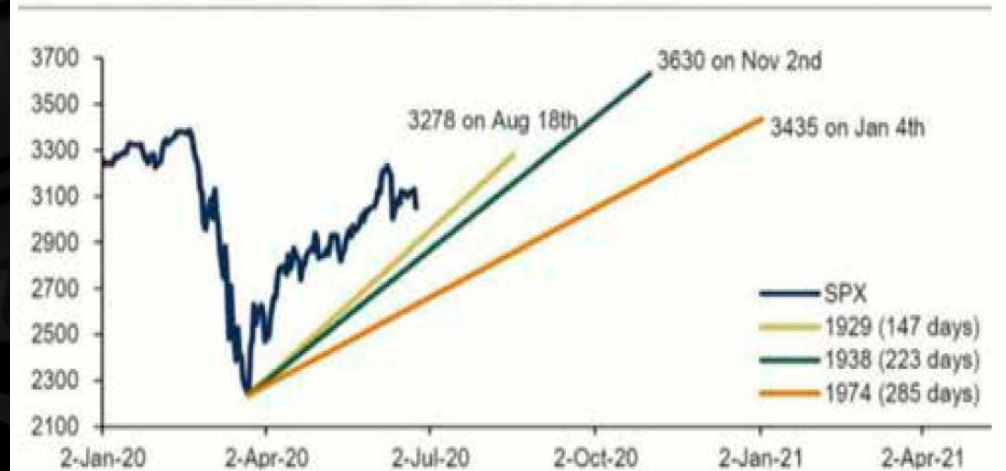
What Is Going On With The Financial Markets???

This is no easy question!!! The world appears to be sliding into its worst recession in decades, yet stock markets are oddly hitting new highs. Rather than devoting a screed of words to the subject, it might be better to use pictures, so here is a selection of graphs that are particularly interesting. The first is the one shows the US market since its pre-virus peak began by tracking the 1929 collapse very closely but has since recovered faster and further (thanks to an extra few trillion Trump dollars this time around). However, the pattern of a sharp decline followed by an extended (but temporary) recovery is being repeated this time around. In past markets where there has been a severe dip and a rapid recovery, there generally has been a 'second leg' down that is protracted and painful and it remains to be seen *if* and *when* this occurs with the current market. This leads nicely into our second graph, which shows where the current market as measured by the S&P500 Index could peak if it were to match one of the three most severe declines of the past century. History does not repeat so exactly, but it is interesting to note that in all three cases, there was a protracted recovery of several months before the long, slow, painful decline began.

US market - virus period compared with 1929 - 30



US market - comparisons with past short-lived recoveries



CHECK OUT OUR NEW FANCY WEBSITE !

[WWW.IVENT.CO.NZ](http://www.ivent.co.nz)



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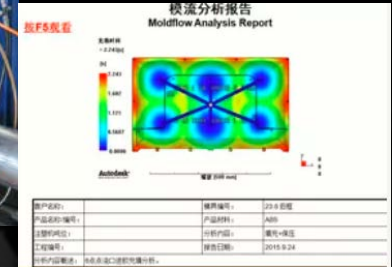
JSL Mould Expands Ivent's Manufacturing Capabilities Even Further

Ivent is very excited to announce a new partner to our plastics and sub-assembly manufacturing portfolio. JSL Mould was established in 2005 with a core focus from their inception of the development and manufacture of world class plastic tools and die equipment. They have a very high level of experience in mould design and manufacture spanning across many industries such as automotive, electrical, household wares, industrial products and many more.

JSL also boast a highly trained team of skilled project managers, engineers, designers and fabrication technicians that ensure the smooth running of every project regardless of whether it is small or large. Our experience with JSL has been excellent with detailed flow analysis reports, feedback on tooling options and engineering improvements to the product just part of the overall service package.

BMC/SMC compression moulds are another competitive product that is offered by JSL and all moulds are processed according to both European and North American standards.

From a commercial perspective JSL offers very competitive costs for tool design and manufacture, as well as unit costs for ongoing production. Ivent will assist with ongoing technical and logistics support to ensure your own journey to creating customized plastics products is smooth and stress free. Whether you just need a tool made and shipped or if you want a full turnkey manufacturing solution please contact Ivent for your full support package. business@ivent.co.nz



Ivent Welcomes Another New Team Member

Ivent is proud to announce Mr Wrinkles Harris as the latest addition to our team. Mr Wrinkles has been appointed as our CFO (Chief Food Officer) and has also taken over our HR (Human Relations) department. Please join us in welcoming Mr Wrinkles to our team... mr.wrinkles@ivent.co.nz



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DLC Display Co. New Product Offering **Q1 2020**

P/N:	DLC0039ADOF	DLC0346ADP06RF-1	DLC0800GDP24MF-1	DLC0840CYP00LF-1	DLC1010BBP00LF-3
Size:	0.39"	3.46"	8"	8.4"	10.1"
Resolution:	1920x(RGB)x1080	340x(RGB)x800	1200x(RGB)x1920	1024x(RGB)x768	1280x(RGB)x800
Display Mode:	Micro-OLED	IPS	IPS	IPS	IPS
Interface:	MIPI	RGB	MIPI	LVDS	LVDS

Application:	AR/VR application, Head mounted displays	Recorder, E-cigarette, Handheld	Tablet	Industrial, Medical	Industrial, Medical, Marine
Remark:	High PPI, Wide temperature range	Bar type, on-cell	Portrait mode	Wide temperature range, Imitate Mitsubishi design	1000nits, 50k hours, Wide temperature range, Imitate Mitsubishi design
Image:					

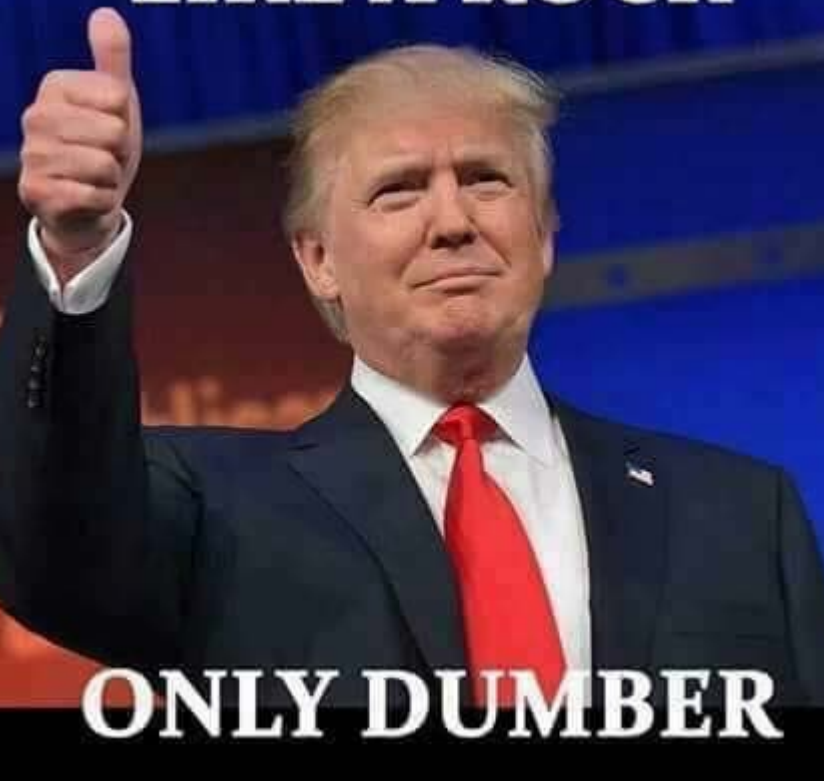
DLC Product Release Update

Ivent's leading colour si-TFT LCD module manufacturer, DLC Display has released their Q1/2020 range of product updates. The common trend is towards the integration of IPS technology displays into mainstream industrial products. IPS technology was the domain of high-end domestic televisions for many years however is now considered the norm in small size TFT manufacture. The main benefit of IPS for industrial applications is the very wide viewing angles from all directions. Coupled with high brightness backlights these displays also offer excellent outdoor direct sunlight readability performance. OLED displays are still quite rare in the industrial market although DLC have released a small 0.39" version with low MOQ's. Generally OLED products still have high MOQ requirements and are not yet entered the mainstream supply chain. Details of the DLC product releases can be seen at the end of this report.

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LIKE A ROCK



ONLY DUMBER

WHEN YOU'RE THE DOCTOR BUT



**THE VILLAGE IDIOT IS GIVING
MEDICAL ADVICE**

**I HAD 3 YEARS, 3 YEARS TO FIX THE
PROBLEMS I INHERITED REGARDING CORONAVIRUS.**



**MAYBE FIRING THE EXPERTS IN
THIS FIELD WASN'T A GOOD IDEA.**

**THE BIGGEST THREAT
TO AMERICA**



**IS THE MORONAVIRUS
INFECTING THE OVAL OFFICE**

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NZD versus AUD - AU\$0.925 vs NZ\$1.00



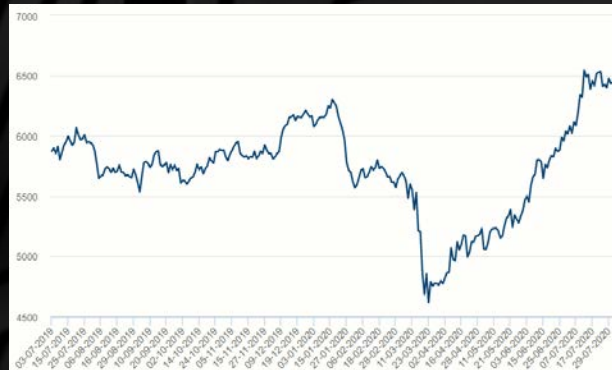
NZD versus USD - US\$0.660 vs NZ\$1.00



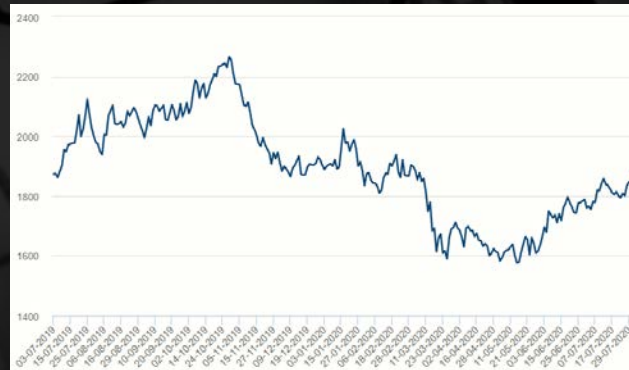
NZD versus EUR - EU\$0.560 vs. NZ\$1.00



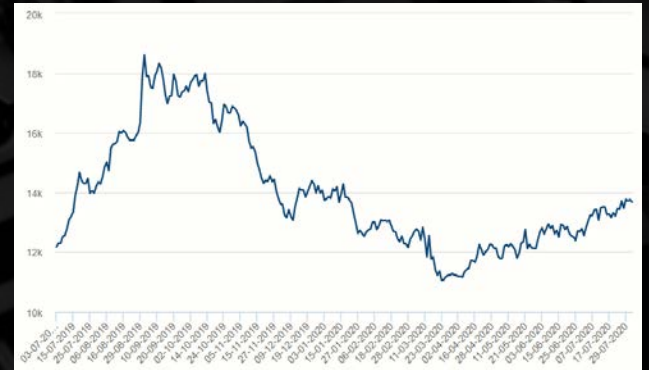
Copper - USD6400 / tonne



Lead - USD1850 / tonne



Nickel - USD13600 / tonne



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This Month in Tech History...

August 5, 1858 – Cyrus West Field and others complete the first transatlantic telegraph cable after several unsuccessful attempts. It operated for less than a month...!

August 13, 1889 – William Gray of Hartford, Connecticut, receives a patent for the coin-operated telephone. He developed the device after a foreman had refused to let him call his sick wife from the company phone. He will begin selling the device through the Gray Telephone Pay Station Company, founded in 1891.

August 26, 1926 – The first “Vitaphone” sound-on-disc film is debuted by Warner Bros at the Warner Theatre in New York. The sound is recorded on a 16-inch disc playing at 33RPM.

August 18, 1947 – Nine years after selling their first oscillators out of a garage in Palo Alto, California, William Hewlett and David Packard incorporate Hewlett-Packard Company (HP). They determined the order of their names in the corporate name with a coin toss. The Stanford graduates will expand the company into one of the world’s largest electronics companies.

August 3, 1960 – Bell Laboratory scientists conduct a coast-to-coast telephone conversation by “bouncing” their voices off the moon.

August 12, 1960 – Echo I, the first communications satellite, is launched by the United States from Cape Canaveral, Florida. It bounces phone calls from Jet Propulsion Labs (JPL) in California to the Bell Labs in New Jersey.

August 12, 1981 – IBM announces the IBM Personal Computer, model 5150. The first IBM PC featured a 4.77MHz Intel 8088 CPU containing 29,000 transistors, 16KB RAM (64KB standard, expandable to 256KB), 40KB ROM, one or two 5.25-inch floppy drives (160KB capacity), a mono display, and an optional cassette drive. The base price was \$1,565 but a fully loaded version with color graphics retailed for \$6,000. Over 65,000 units were sold in the first four months.

August 11, 1996 – Microsoft releases the “Internet Explorer” web browser to compete with Netscape’s popular Navigator browser.

August 18, 1997 – Steve Jobs is on the cover of Time Magazine, thanking Bill Gates for saving Apple.

August 10, 2004 – Apple’s iTunes Music Store adds it’s one millionth song to its library.

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DLC-Display Specialist

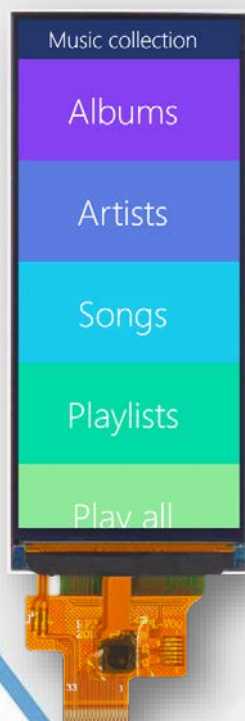


DLC0039ADOF

Item	Contents	Unit
Size	0.39	inch
Resolution	1920x(RGB)x1080	\
Interface	MIPI	\
Display Mode	Micro-OLED	\
Active Area	8.75 x 4.97	mm
Outline	11.10 x 9.50 x 1.35	mm
Brightness	500	cd/m ²
Remark	Wide temperature range	



DLC-Display Specialist

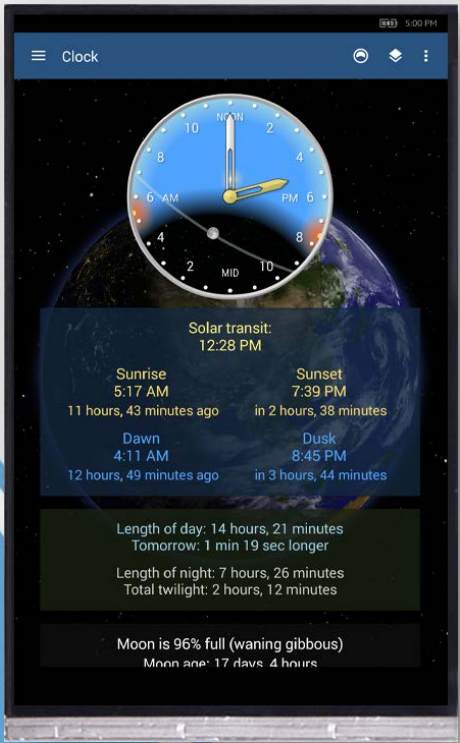


DLC0346ADP06RF-1

Item	Contents	Unit
Size	3.46	inch
Resolution	340x(RGB)x800	\
Interface	RGB	\
Display Mode	IPS	\
Active Area	33.97 x 81.00	mm
Outline	37.27 x 89.00 x 1.60	mm
Brightness	330	cd/m ²
Remark	Bar type, Portrait mode, on-cell	



DLC-Display Specialist



DLC0800GDP24MF-1

Item	Contents	Unit
Size	8.0	inch
Resolution	1200x(RGB)x1920	\
Interface	MIPI	\
Display Mode	IPS	\
Active Area	107.64 x 172.22	mm
Outline	113.14 x 182.42 x 1.85	mm
Brightness	430	cd/m ²
Remark	Portrait mode	



DLC-Display Specialist

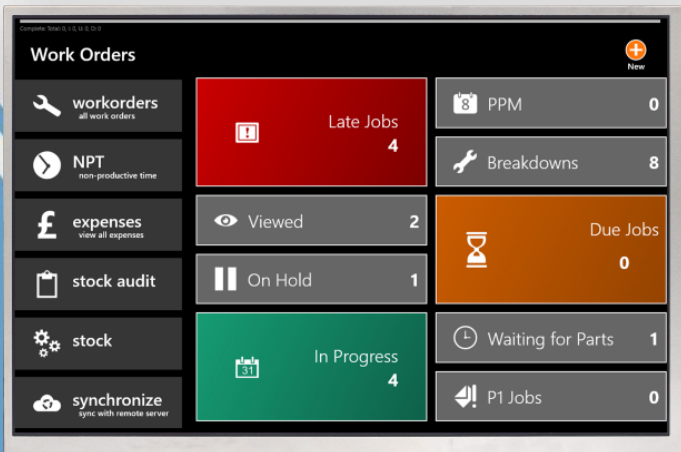


DLC0840CYP00LF-1

Item	Contents	Unit
Size	8.4	inch
Resolution	1024x(RGB)x768	\
Interface	LVDS	\
Display Mode	IPS	\
Active Area	170.50 x 127.87	mm
Outline	199.50 x 149.00 x 9.70	mm
Brightness	500	cd/m ²
Remark	Wide temperature range	



DLC-Display Specialist



DLC1010BBP00LF-3

Item	Contents	Unit
Size	10.1	inch
Resolution	1280x(RGB)x800	\
Interface	LVDS	\
Display Mode	IPS	\
Active Area	216.96 x 135.60	mm
Outline	229.80 x 149.00 x 5.90	mm
Brightness	1000	cd/m ²
Remark	High brightness, Wide temperature range	