

WELCOME

Welcome to the second addition of The Nordell Press. Please subscribe to our Newsletter by visiting the subscription link: www.nordell.co.uk/subscribe. Thank you to those who have already signed up to this free subscription service.

There is always plenty going on at Nordell and we will keep you up to date on what's happened in our Quarterly Newsletter. For those of you that want to get the news as it happens, we regularly post features on LinkedIn, Facebook, Twitter and Instagram and also post News and Blogs on the Nordell website.

Nordell welcome your articles, so if are a customer or supplier looking to share your companies story or news, please get in touch on enquiries@nordell.co.uk We have been extremely fortunate during the lockdown and have managed to remain fully operational and all staff in full employment.

Our hearts go out to the many brilliant companies and their staff who have been economically impacted by the pandemic through no fault of their own.

We have been exceptionally busy over the last 3 months with increased demand in certain product sectors including medical and pharmaceutical. Due to high demand for medical consumables we worked in partnership with one of our customers to build a Class 7 cleanroom to meet exceptional demand. It took six weeks from initial discussion through to completion of build to become operational at the beginning of July.

This new venture at Nordell gives us 100m² of Cleanroom space with 24hr production during the week on 2 New BOY presses and 3 new Haitian presses.

Due to increased business we are also adding several new roles to the Nordell team. Our team is our greatest asset, and I would like to thank every single Nordell employee for their hard work, dedication, and total commitment to achieving excellence during the uncertainty of lockdown and during the factory build disruption.



I hope you enjoy the Quarter 3 newsletter and catching up in a bit more detail on what's going on at Nordell.

A handwritten signature in black ink, appearing to read 'Paul Mason'.

Paul Mason
Managing Director, Nordell

NORDELL INVEST IN NEW FACTORY CAPABILITIES

Nordell have invested in a new 100m² Class 7 Cleanroom to meet the significant increase in demand for medical consumables. The cleanroom will house 5 Injection mould presses from 50tn to 120tn and manufacture around the clock.

The cleanroom represents a new venture for Nordell which has been built by specialist cleanroom manufacturer TCA of Redhill, Surrey.

Nordell prepared the site and services to house the cleanroom in the space previously occupied by our toolroom which has now been relocated at our Worthing Factory. TCA built and project managed the build, pulling out the stops to complete the project from design to commissioning in just under 6 weeks. A huge thank you to Phillip Godden, CEO of TCA and his team.



WHAT IS A CLASS 7 CLEANROOM?

A Medical Injection Moulding cleanroom is an enclosed zone where airborne particulates and pollutants are maintained at specific levels. The cleanroom is used to filter polluted air as per the requirements of certain industries such as pharmaceuticals, E-liquids, healthcare facilities, as well as science and technology.

Aerosol particles, bacteria, pathogens, chemical vapours, fibrous materials and more are types of pollutants that can hurt the manufacturing process in these industries. Our Medical Injection Moulding Modular Cleanrooms are built to comply with the international organisation for standardisation (ISO) 14644-1: 2015

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The ISO 14644-1:2015 compliant Medical Injection Moulding Modular Cleanrooms vary between class 1 and 9. The class of each Cleanrooms can change depending on prevalence and size of air contaminants in the cleanroom.

The Class 1 classification is the greatest in the range and it is tested for the lowest frequency and smallest



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particulate size while the Class 9 classification represents the least in the range and is valued based on a higher frequency and larger air pollutants present in the cleanroom at any given time.

To test Medical Injection Moulding Modular Cleanrooms and classify them, particle counters are used to measure the Particles Per Cubic Metre (PPCM) of the environment by size and quantity. The ISO Class 9 Modular Cleanroom's PPCM has a semblance with regular atmospheric air but filtration of much larger air contaminants >5 microns is accounted for.

A Class 1 Cleanroom will focus on much smaller air particulates of sizes >0.1 microns and >0.2 microns resulting in a much cleaner air enclosure. Here is an example of this kind of testing requirement.

A Modular Cleanroom that falls in Class 7 (the class Nordell are specifying) will be tested for the presence of an air particulate size of >0.5 microns where the highest particle count should be capped at 352,000. Modifications will have to be put in place if the Medical Injection Moulding Cleanroom does not meet the requirements for this classification.

Deploying a Medical Injection Moulding cleanroom solution is the first stage of producing a clean environment for production and it substantially lessens the risk of product contamination.

Medical Injection Moulding Modular Cleanrooms maintain strictly low levels of air particulates through the use of ULPA/HEPA filters. The use of these filters have passed scientific evaluation and are proven to keep out certain amounts and sizes of air particulates from a cleanroom. When non-filtered air goes through Filter Fan Units (FFUs), a positive pressure area is introduced and maintained in the clean air environment. This positive pressure helps maintain the controlled level of clean air by preventing contaminated air from entering back into the cleanroom through perforated openings.

Pollution-free manufacturing is fostered through the mechanism of the aforementioned type of Medical Injection Moulding cleanroom as it only allows the air that passes through the filtration unit to enter the internal space.

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The second steps that should be taken in mitigating contamination are measures that will avoid cleanroom personnel from bringing in pollutants. This can be achieved through the proper use of PPE for cleanrooms such as hair nets, overshoes, and gowning. This move will see to it that certain numbers of contaminants like dust and fibres do not enter the cleanroom and disrupt research/production. Medical Injection Moulding Cleanroom operators must undergo training in the reduction of contamination to prevent the introduction of microbial/foreign materials into the production area.

TOTAL CLEAN AIR *IN FOCUS*

“The process was seamless from start to finish and any challenges during the build program were overcome by the TCA team”

– Paul Mason, Managing Director, Nordell Ltd.

Nordell commissioned TCA to design and build our Class 7 Cleanroom.

The process was managed by Phil Godden, Founder and CEO at TCA and his team.

TCA designed, installed and commissioned our 100m² Cleanroom which has 14 HEPA filters within 6 weeks allowing us to meet the cleanroom manufacturing demand of our customers.

At Total Clean Air, we are reputable providers of Cleanroom services and solutions throughout the UK. Our range of services have benefited organisations across various industries, including those within the healthcare sector. Regardless the size or complexity of your activities, we can provide cleanroom installation, consumables and other services to best satisfy your unique needs. Our goal as Cleanroom experts is to assist you in the protection of your critical environments and processes via innovative solutions.

In our years of diverse experience satisfying UK clients, we've designed and installed a wide variety of high quality, customised Cleanrooms. To match your needs in the healthcare sector, you can order Modular Cleanrooms, Hardwall Cleanrooms, Monobloc Cleanrooms and Softwall Cleanrooms. Our state-of-the-art modular cleanrooms are especially popular because of their cost effectiveness, flexibility, performance, and other benefits.

Regardless the cleanroom design you order, we guarantee it will satisfy all regulations and international standards relevant to your industry.

Your contamination control needs are in good hands when you call on our CTCB certified engineers for ISO classified, controlled environments and solutions to protect your critical processes.

If uncertain regarding which of our healthcare cleanroom services or solutions will make a perfect fit for your requirements, we can provide all the professional guidance you need to add the most value to your healthcare processes.



**Phil Godden,
Founder and CEO at TCA**



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NORDELL: ONE TEAM, ONE SHARED VOICE

OUR TEAM IS PARAMOUNT TO OUR AND YOUR SUCCESS

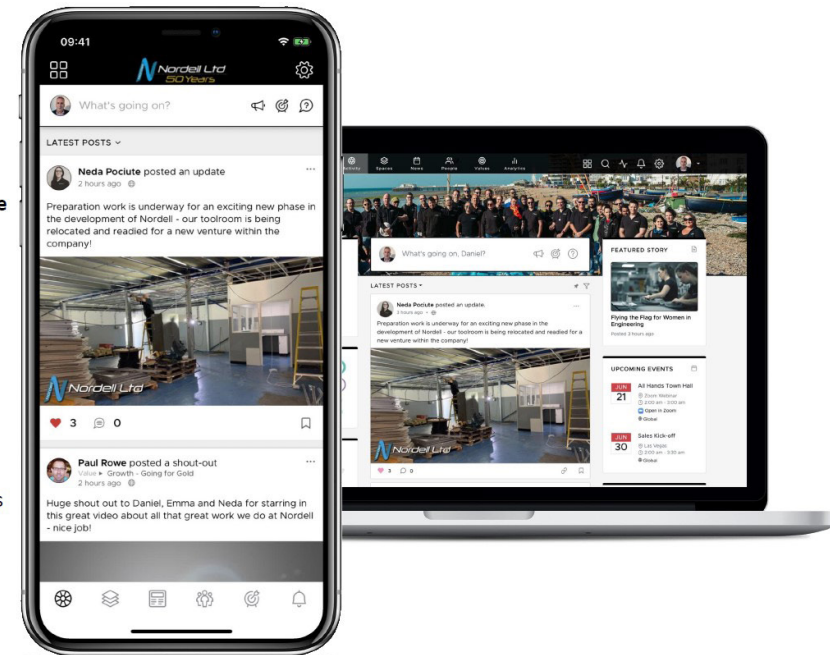
Nordell's greatest strength is our team! With great people we have built a fantastic company. We work to be brilliant and we train to be better. We recruit and develop highly motivated and competent people. Our team is our most valuable resource. We challenge ourselves and support each other to be our very best, with total commitment to exceeding our customers' demands.

INTRODUCING:



An **Internal Communications Platform** based on research proven elements for successful **employee engagement**.

- **Connect** employees with your organization's goals
- **Build** a strong culture of recognition
- **Supercharge** your internal communications
- **Measure** your employee engagement levels
- Create **Communities** & connect with colleagues through Spaces



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Internal two way and regular communication with transparent feedback with our employees means our team are always engaged and the leadership team continually feel the pulse of the business. We wanted to improve on what we have and future proof communications through a digital platform to ensure ALL our employees receive ALL of the information all of the time rather than some of our employees, some of the time! With our business developing very quickly, it was also essential to provide information in real time, with the old adage "Todays News is tomorrows fish and chip paper". We investigated a number of different digital communication platforms and agreed Workvivo was the best fit for Nordell as it put employees and our Company Values at the heart of communications.

Workvivo was founded based on a strong desire to improve the working experience of every employee on the planet. Working closely with our customers and partners, we developed an employee communication platform built specifically to improve employee engagement.

In essence, Workvivo is a communication platform, but it also brings a new digital employee experience by integrating with the most common platforms in the emerging communications and collaboration stack. Through web, desktop and a mobile app, Workvivo allows employees to read and post content to an activity feed, like, share and comment in the same way they do outside of the working environment. They can also recognize others through shout-outs, link posts to company goals and values, create community spaces and publish company articles and events.

Key features of Workvivo



See what's happening through the **Activity Feed** which allows staff to post Updates and Interact.



Brings your **Organisational Goals and Values** alive through updates on the Activity Feed



Facilitates a Culture of **Peer Recognition**



Collaboration through **Spaces** that users can elect to join. Ask **Questions** and search on Content



Provides a smartly designed **People Directory** with full team and profile information



News and Events feature allows customers to publish and share the latest articles and post upcoming events

Workvivo uses an enterprise social network platform to consolidate this communications stack and in doing so, increases collaboration, a sense of community and overall employee engagement.

The startup already has a host of global companies using Workvivo to engage and unify their employees, including NETGEAR, TELUS International and Cubic Telecom and now Nordell!!! The Cork-based company, founded by John Goulding and Joe Lennon, bootstrapped its way from its beginnings just three years ago. The move to remote working has been significantly accelerated by recent events. It's now more important than ever that employees are able to effectively communicate and remain engaged with each other and with the business.

Workvivo's communication platform helps organizations connect and engage with their employees regardless of location, bringing the culture alive and aligning everybody with what the organization is trying to achieve. Workvivo have experienced tremendous success to date and they intend to expand their reach significantly to help organizations across the globe, while also continuing to invest strongly in ongoing product development.

NORDELL SIGN UP TO TRUSTPILOT



TRANSPARENT FEEDBACK FROM OUR CUSTOMERS IS ESSENTIAL TO UNDERSTAND HOW WE CAN DO BETTER, INSPIRE US WHEN ITS POSITIVE FEEDBACK AND SHOW POTENTIAL NEW CUSTOMERS THAT WE ARE A TRUSTED SUPPLIER

Nordell have signed up to global feedback company TRUSTPILOT.

Very few injection moulders have taken the leap of faith and signed up to Trustpilot so we are pioneering! Only customers can provide feedback.

We cannot influence the feedback they give so it keeps us on our toes and drives us to deliver excellent customer service at all times.

Our Trustpilot reviews can be found at <https://uk.trustpilot.com/review/nordell.co.uk>

We would like to hear what you think. Please feel free to leave us a review!



SOME OF THE FEEDBACK SO FAR:

An extended part of our team
Nordell have always been a fantastic team to work with.
Their customer care and technical support is excellent.

They don't just tell you what you want to hear, they challenge designs and interrogate the purpose of the product to ensure it is the right fit for the market, essentially becoming an extended part of the team.



A valued supplier of plastic parts

A valued supplier of plastic parts, Nordell employees are very knowledgeable in their field. Both supportive and flexible in their approach, from a product conception to delivery. Being local we also like the fact that we keep our supply chain local, and keep our carbon foot print to the minimum.



Dependable high quality

Nordell mouldings are used in large numbers on many of our products and have been for many years. The parts have been consistently high quality and dependable in their demanding high voltage application.



NEW INJECTION MOULD PRESSES TO MEET INCREASED DEMAND



Nordell's business is growing fast and to meet our increasing demand we have purchased 5 new Injection moulding machines to add to the current stable of 22. We have a range of machines including, BOY, Romi and Negri Bossi.



HAITIAN MARS SERIES

The Haitian MARS Series has been on the market for over 10 years and continues to be the top of the line in servo hydraulic injection-moulding technology – the world's best-selling injection-moulding machine. Since its market launch in 2006, more than 230,000 units of the MARS Series have been delivered.

The upgraded MARS – so called “2s” – comes with a lot of design improvements, which provides more reliable hardware to maximise the energy efficiency while improving the precision. The common design enables Haitian Plastics Machinery to deliver 30,000 machines and more per year in a short delivery time. Find out more at www.haitian.co.uk

[It] continues to be the top of the line in servo hydraulic injection-moulding technology

BOY E SERIES

The new machines of the “E” series are BOY's top models. The servo-motor pump drive offers a superior feature to other comparable machines.

BOY have managed to achieve or even top the positive features of electro-mechanical machines while simultaneously eliminating their disadvantages.

BOY machines offer great reliability and energy saving capability. The BOY injection moulding machine is equipped with the servo-motor pump drive and the Procan ALPHA @ 2 has 800 kN clamping force.

MORE ENERGY EFFICIENT.
QUIETER.
FASTER.
MORE PRECISE.
Find out more at www.boy.ltd.uk

