

In the Battle Ground of Pandemic



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Praj HiPurity Systems

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Praj HiPurity Systems Limited provides “End to End Solution” to Pharma / Life science clients. We offer solutions for a variety of applications in Vaccines, Biopharma & Sterile Formulations. Praj HiPurity has contributed to healthcare fraternity in 50+ Biotech facilities, 70+ USFDA Sites, 40+ Different applications of Pharma / Biotech, 70+ Greenfield sites, 150+ sterile facilities and approximately 70 overseas references.

The key to this efficiency and performance is excellence in design, engineering, manufacturing and field construction followed by meticulous planning and execution.

“Quality by Design” requires high-quality

material, precise engineering, cleanability/sterility built-in design and par excellence manufacturing processes. Praj HiPurity boasts of one of the best & most comprehensive facilities for building water & process systems in-house with little or no dependence on external agencies. In-house vessel manufacturing to orbital welding to system integration and testing enables Praj HiPurity to help customers achieve faster time to market targets in this ever-challenging & dynamic business environment.

Modularization of process and pre-building small and Mega skids remains the centrepiece of our growth story in the last few years. Pre-built, pre-tested skids have and will remain the focal point of our effort.

Since COVID-19 outbreak, mankind’s vulnerability to be able to respond to the need of the hour has once again been exposed. This is inspite of decades of learnings and advancements in our understanding of vaccine technology, our ability to respond with speed to find a suitable solution has once again come under the scanner. Not only has been the cure elusive, but to be able to scale up

the possible solution to cover a global pandemic like COVID-19 it may take a completely different approach. We have all witnessed advent of Covishield, Covaxin & Sputnik to save us from this pandemic.

The need of the hour is:

'A Joint effort' of vaccine manufacturers and OEMs to trim CAPEX and improve productivity.

To have a 'Right Balance' for assessing risk & reward with a close watch on expenditure, one needs a robust framework & subject matter expertise.

Look at all aspects in 'One Frame' to ensure that the lens for assessment is wider including various aspects of plant design together & not in isolation.

'Right Start' is 'Good Start' - To prevent time loss and shorten time to market, it is crucial to fix all technical and regulatory requirements during the design phase itself.

Praj HiPurity has been a foundation of our client's success, through an array of specializations like:

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- Clean utilities & Sterile equipments

designed and manufactured under one umbrella.

- Sharing practical cumulative expertise as producers of recombinant biotherapeutics and vaccines.
- In-depth understanding of Continuous Manufacturing (CM) for Continuous fermentation, continuous bio-kill system, continuous CIP refill / supply & Continuous sterilizer.
- Streamlining manufacturing processes and accelerating technology transfer by leveraging our Praj Matrix R&D Centre.
- Capability to manufacture in parts and assemble at client's site for faster & customised delivery
- Manufacturing excellence from 2 L to 200,000 L equipment through 3 of our own manufacturing units.
- Validation & regulations (ASME BPE, U Stamp, DOSH, PED)
- Modular designing for faster manufacturing & assembly.
- Modular programming for flexibility & user-friendliness.
- Dedicated testing facility.
- Value added services (VAS) to attend all maintenance needs.

To fast-track projects of Covid vaccine, we have endeavoured to maintain semi-

finished inventory of equipments, which can be easily assembled, tested, installed and validated for serving the cause to humanity.

All in all, Praj endeavours to fulfil customer requirements and provide proven technologies.

We look forward to your support and faith in our capabilities and expertise.

We are open to suggestions, ideas and discussion for your requirements. Feel free to contact us at info@prajhipurity.net

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'Now & Beyond'

While the current pandemic has exposed the limited manufacturing base for vaccines, many companies have taken upon themselves to diversify in this difficult segment of VACCINES and focus on capacity building. Praj HiPurity is ready to support the industry for future capacity build-up by deeper support in Process Engineering for a future ready design with modularized approach. ■

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