Packaging solutions for clients’ changing market needs

In this Spotlight on Manufacturing, ACG explains how it meets clients’ changing needs and identifies emerging market trends.

What are the main manufacturing products and services your company provides?
ACG’s diverse product range includes a complete range of pharmaceutical and nutraceutical solutions, including: empty hard capsules, granulation machines, capsule-filling machines, tablet press and tablet coating machines, packaging films, blister packing and carton packing machines, vision inspection systems, and track & trace solutions.

What differentiates your products and services from your competitors?
ACG is the only supplier worldwide that offers integrated manufacturing solutions for the pharmaceutical and nutraceutical industry. Our unmatched, extensive expertise in the pharmaceutical industry leads us to develop a range of tailored, in-house value-added services to provide the best user experience. Our value-added services are designed to answer industry needs and enhance our solutions.

What value-added service does your company offer?
We have dedicated teams ready to optimise process times and consumption of utilities and reduce material losses. We also provide regulatory support to facilitate compliance with relevant regulations. Our value-added services include: sharing process knowledge through onsite training and working with our customers to improve overall equipment efficiency (OEE).

What are the additional benefits of working with you?
We have an extensive international network of more than 10 offices and 15 manufacturing facilities, offering the full range of pharma manufacturing solutions. Our products and facilities comply with all relevant global regulations.

We have also been certified by all relevant certification bodies.

In an increasingly global market, how can your company address clients’ manufacturing needs?
Its extensive global network allows ACG to work closely with its customers to understand and cater to all their manufacturing needs. Further, an extensive global network of warehousing facilities ensures quick deliveries to local markets. Our solutions can be easily adapted to conform to local regulatory and quality requirements. The company’s vision is to further strengthen our position in the global market through extensive R&D investment and strategic alliances.

What emerging trends are you noticing in your area of the manufacturing sector?
Digitisation has been used to enhance manufacturing efficiencies and productivity gains by streamlining processes, allowing a smooth production flow. Pharmaceutical companies are exploiting technologies like the Internet of things (IoT), advanced robotics, and augmented reality (AR), which can revolutionise human-machine interaction and automation. IoT aids in consolidating real-time, actionable data, while AR can overlay system-generated data from a variety of sources onto physical surroundings. They offer benefits such as the ability to identify problems in processing equipment and components that will soon require replenishment, even including a tool that indicates when preventative maintenance is required.

Another emerging trend is the development of sophisticated anti-counterfeiting technologies to tackle the growing problem of counterfeit medicines. Apart from adopting relevant serialisation and traceability techniques, pharma companies are using anticounterfeit measures at both the primary packaging and dosage-form levels.

How are customers’ requirements for powder, tablet and capsule making technology changing and what factors are driving those changes?
In solid dosage forms, we see new developments to meet two requirements: development of super generics to extend product life cycles and continual upgrading of manufacturing technologies, writes Ajit Kanetkar, Head of Process Technology & Training, ACG.

Development of super generics is gaining ground, considering the shrinking pipeline of off-patent products. We have also seen growth in the use of HPMC capsules.

The industry has experienced an increase in the level of machine sophistication, especially with respect to operation, data storage, and real-time trend analysis. For manufacturing high volumes, there is a growing demand for automation and closed systems to reduce human intervention and errors. In addition, a wide range of containment systems are available for processing potent molecules, including options to use robotic systems.

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WE ARE THE WORLD’S ONLY INTEGRATED PHARMA MANUFACTURING SOLUTIONS COMPANY. WE ARE ACG.

We don’t just produce capsules. We also manufacture films & foils, pharma machines, track & trace and inspection systems. It’s a level of integration nobody else does. And that makes us the only company of its kind. For over 5 decades, we have been absolutely committed to that.