VECTURA

Helping you bring inhaled medicines **to market**

FORMULATION SCIENCE

DEVICE TECHNOLOGY

DEVELOPMENT EXPERTISE

PRE-CLINICAL DEVELOPMENT | PHASE 1 | PHASE 2 | PHASE 3 | SUBMISSION & APPROVAL | COMMERCIALISATION

FORMULATION DEVELOPMENT & OPTIMISATION

COMMERCIALLY-VALIDATED DEVICE PLATFORMS

PRODUCT MANUFACTURING

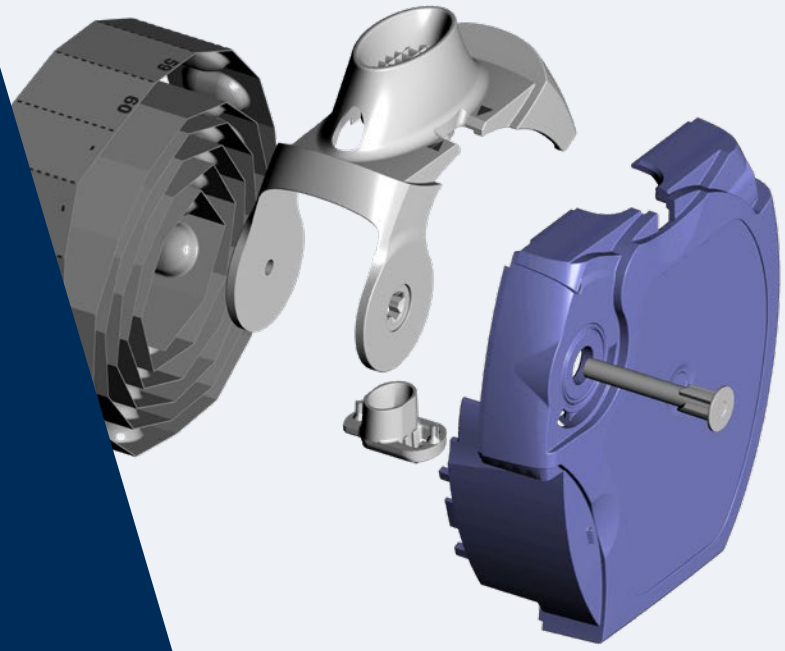
COMPREHENSIVE ANALYTICAL SERVICES

PROCESS DEVELOPMENT AND SCALE-UP

MEDICAL & REGULATORY SUPPORT

VECTURA

Choose a partner to **help you succeed**



20 years' experience in inhaled product development

11 inhaled on-market DPI, pMDI and nebuliser medicines, launched by our partners and licensees

>$10bn sales of products using our formulation and device technology since launch*

Fully-integrated services and expertise to progress your programme

Formulation Development & Optimisation

- Small molecules and biologics
- Complex combinations
- Advanced powder blends
- Spray-dried, particle engineered powder formulations
- Aqueous & non-aqueous formulations

Commercially-Validated Device platforms

- Device flexibility based on the needs of your programme
- Dry powder inhalers (unit-dose and multi-unit dose)
- Pressurised metered dose inhalers
- Smart vibrating mesh & jet nebulisers

Product Manufacturing

- GMP drug product manufacturing (including biologics)
- GMP device manufacturing for clinical trials
- Equipment & facilities at relevant-to-commercial scale

Comprehensive Analytical Services

- Physico-chemical (Q3 type) capability and "more realistic" test methods
- Dedicated physical properties capability
- Biologics evaluation
- Stability storage from small bespoke studies to pivotal prorammes

Process Development & Scale-up

- Develop robust & reproducible manfacturing processes
- Seamless scale-up from laboratory to pilot to commercially-representative scale
- Installation engineering capability and technical support

Medical & Regulatary Support

- Navigate the complex regulatory requirements for inhaled NCE & generic products
- All services are supported by our medical, regulatory, device vigilance & pharmacovigilance teams

See how our inhalation services can advance your programme through all stages of development

please contact: **businessdevelopment@vectura.com**
www.vectura.com

* Source: Evaluate Pharma, internal estimates