

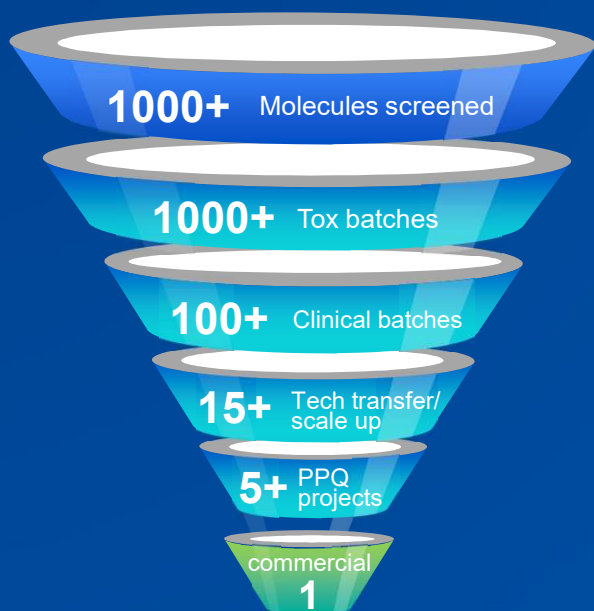
SDD Capability at STA



Comprehensive SDD Experience and Capability



Projects completed as of H1 2021



Shanghai & Changzhou R&D Teams

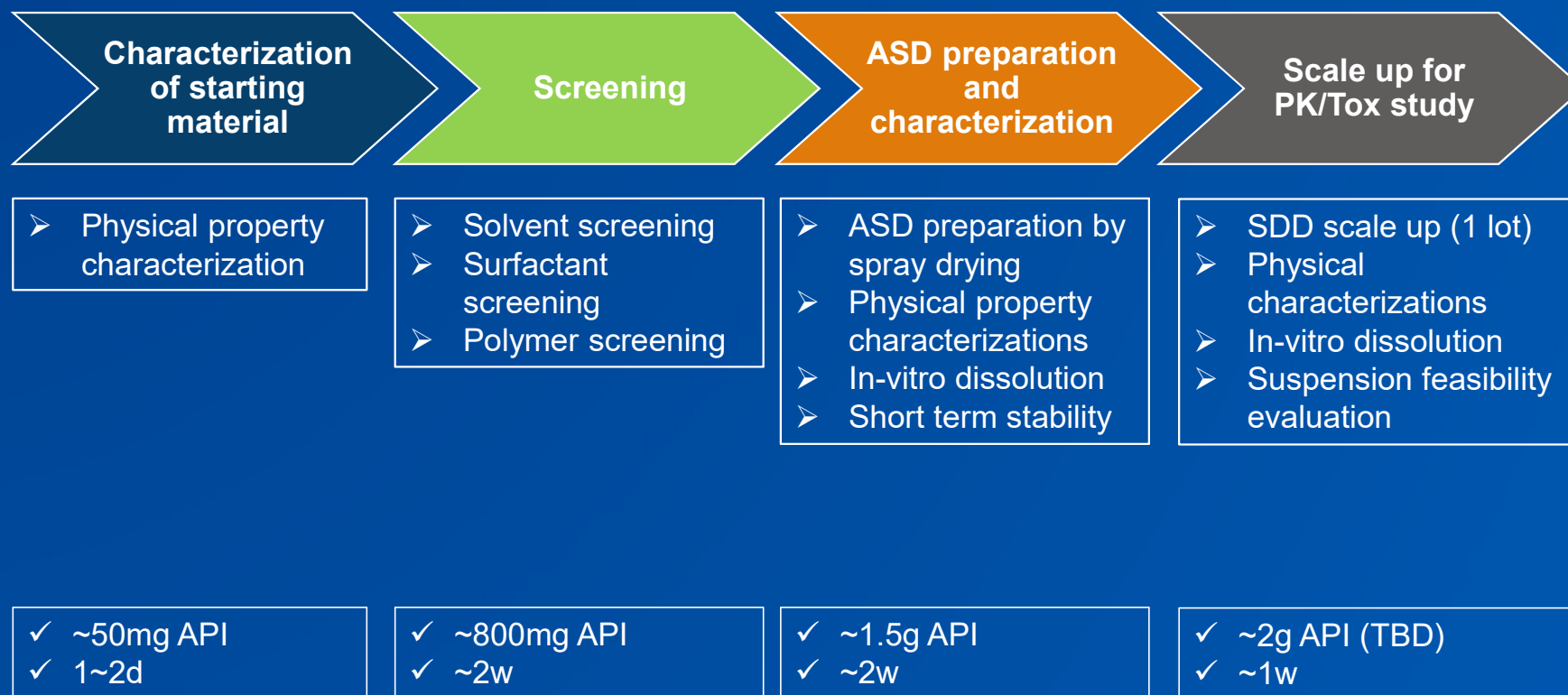
Preformulation team: ~ 100 scientists

Formulation & process development: ~ 200 scientists

Analytical: ~ 300 scientists



Overall SDD Screening Flowchart



Spray Dried Dispersion (SDD) Platform

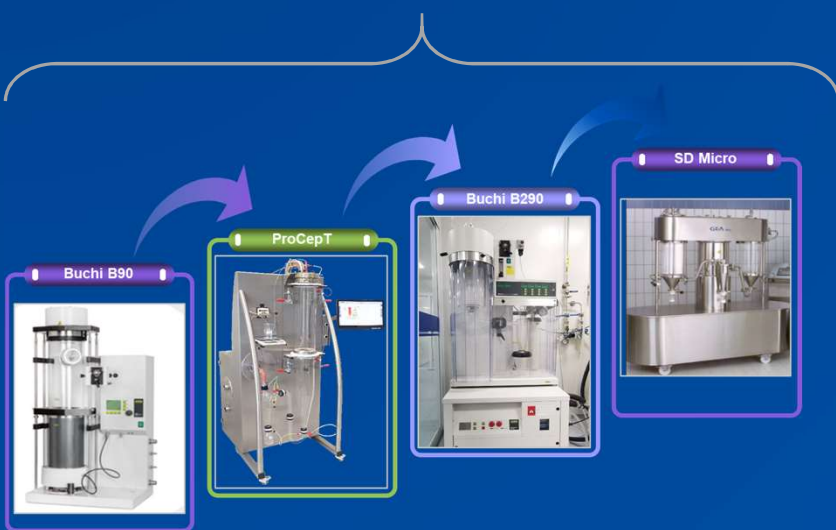
- From screening to commercial manufacturing platform
- Plentiful project experience
- PAI and commercial launch experience

Preclinical Stage (Non-GMP)

Batch Size: 50 mg – 1 kg

Clinical and Commercial Stage (GMP)

Batch Size: 1-10 kg (Clinical) / 10-100 kg (Commercial)



Shanghai

Buchi B90 ↔ ProCepT ↔ Buchi B290 ↔ SD Micro



Current

Shanghai / Changzhou

2 PSD-1 spray dryers
2 PSD-3 spray dryers
1 SD-2 spray dryer

**3-time
capacity
expansion
in 2 years**

Expansion in 2 years

Taixing

1 PSD-4 spray dryer (2023)
+ 6 other spray dryers