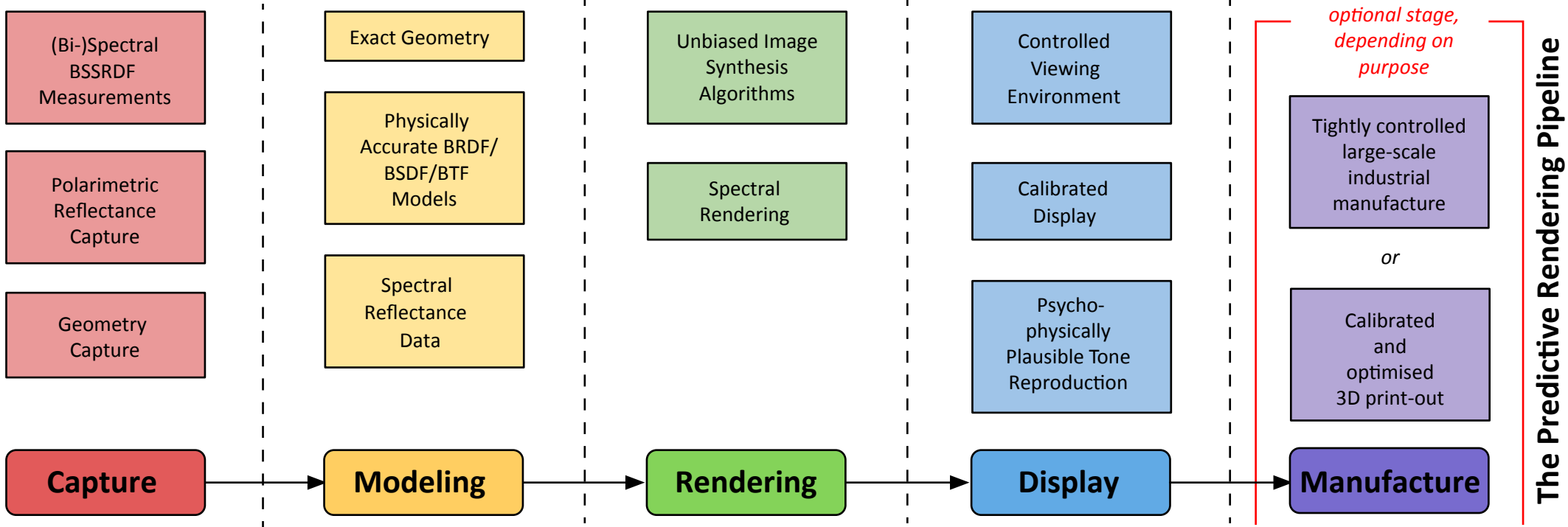
(Bi-)Spectral BSSRDF Measurements
Polarimetric Reflectance Capture
Geometry Capture
Capture
Exact Geometry
Physically Accurate BRDF/ BSDF/BTF Models
Spectral Reflectance Data
Modeling
Unbiased Image Synthesis Algorithms
Spectral Rendering
Rendering
Controlled Viewing Environment
Calibrated Display
Psycho-physically Plausible Tone Reproduction
Display
optional stage, depending on purpose
Tightly controlled large-scale industrial manufacture
or
Calibrated and optimised 3D print-out
Manufacture
The Predictive Rendering Pipeline