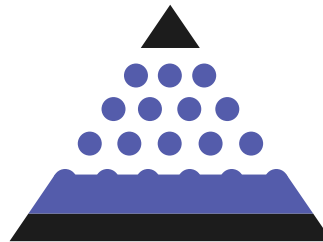


Development Flexibility

Solution



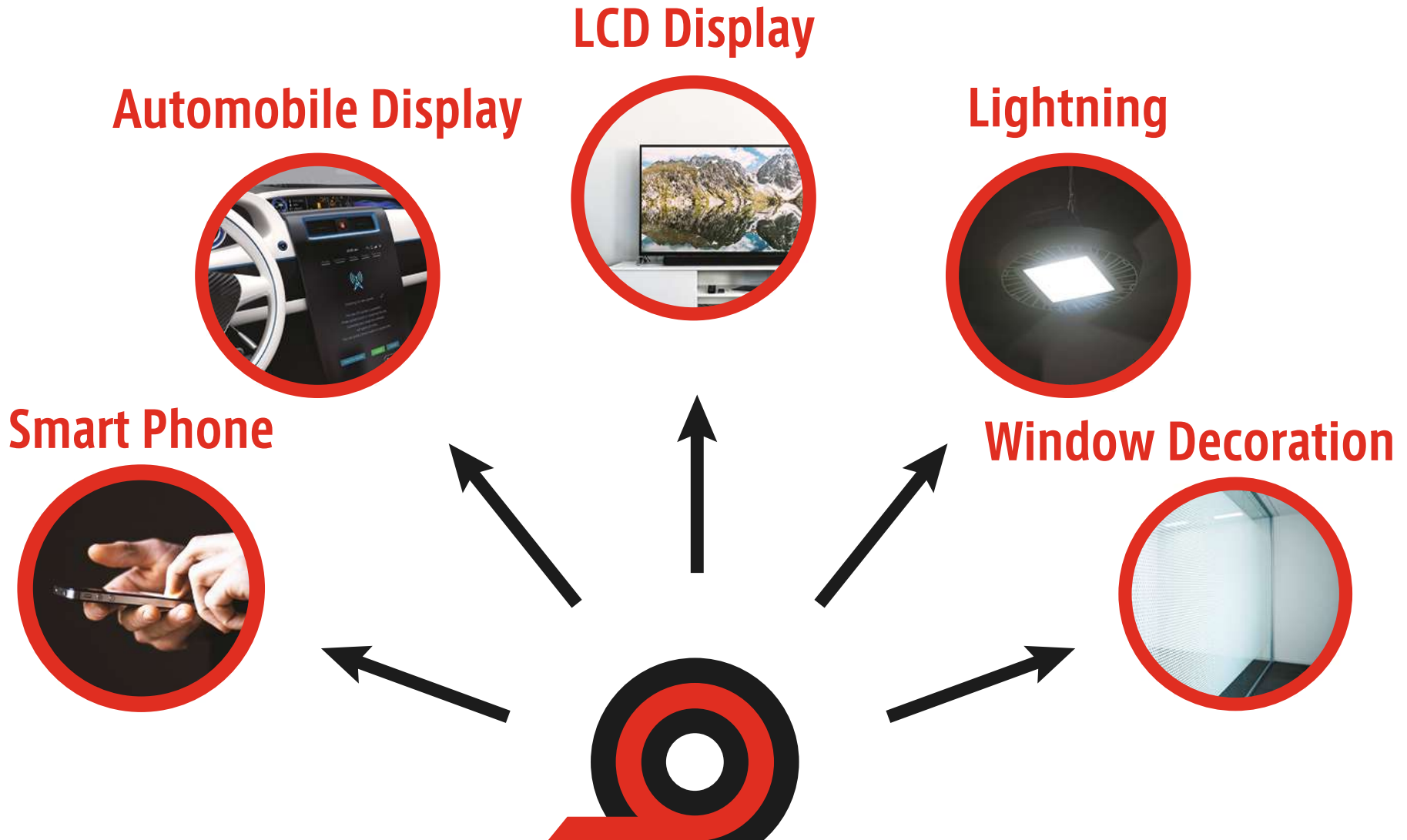
Coating



Sample



Application of Our Functional Coated Film



Faster to Supply Functional Film's Sample

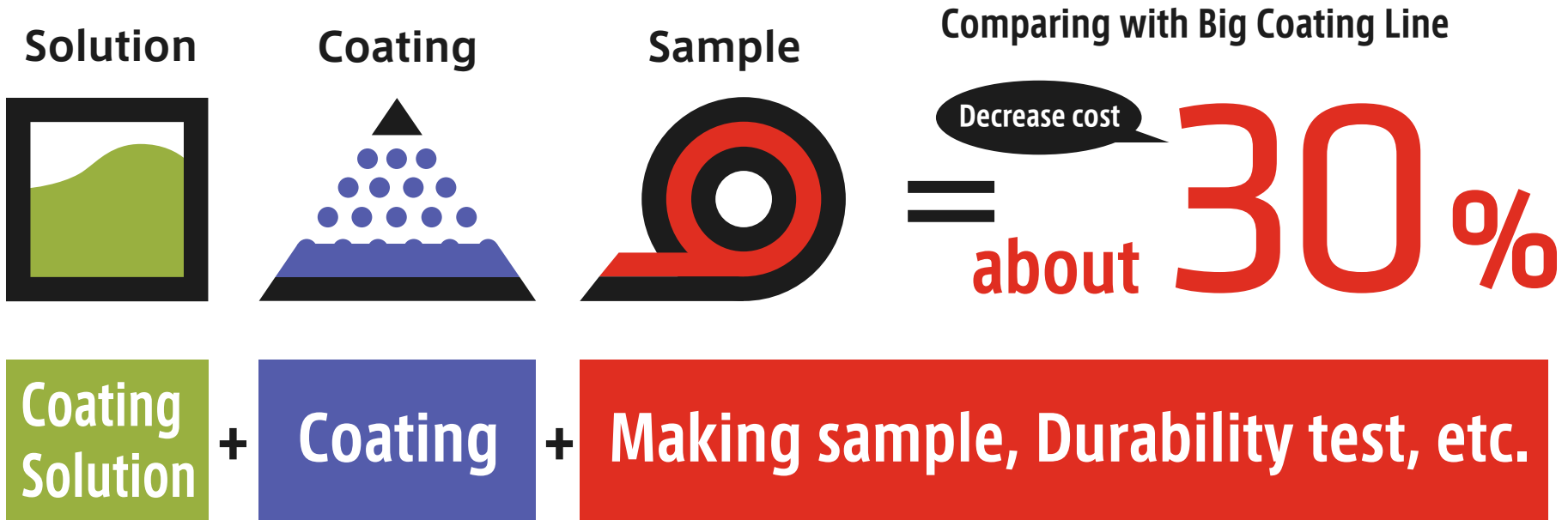
Lead Time

1

Month



Make Multiple Samples at Low Cost by Using Small Amount of Raw Materials



Develop Coating Formulation, or Toll Coating

Sample size: 8.5x11 inches or short roll 100mm wide x 5m

Sample can be made by using 1kg of coating solution

Process of New Project

 1. Target Specification

 2. Proposal , Quote

 3. Discussion

 4. Execute the Plan

 5. Evaluation

 6. Discuss with customer
For next step

Professional Staffs Support Customer



Choose Size of Coating Machine According to Developing Requirement

Apollo

Saitama
Japan

300
Coating width
mm

- Substrate: PET, Acrylic, TAC, PC etc.
- Line Speed: 2 - 40 m/min.
- Coating method: Die, Gravure, Rod coating
- Drying: 40 - 150 °C
- Curing: UV 160 W/cm² (N₂ purge; Optional)
- Production: R2R coating

LC-3

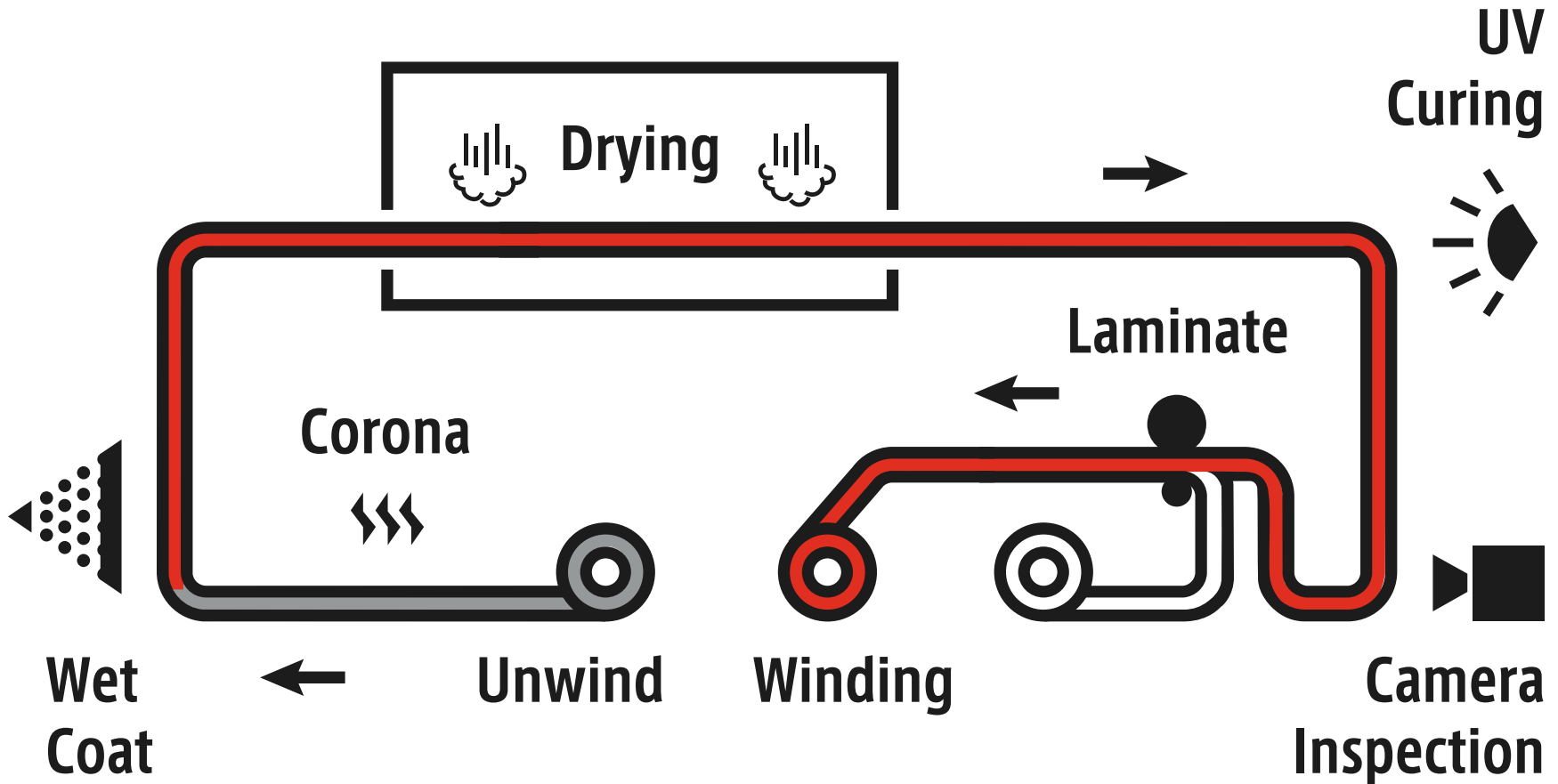
Georgia
U.S.A.

800
Coating width
mm

- Substrate: PET, Acrylic, TAC, PC etc.
- Line Speed: 2 - 30 m/min.
- Coating method: Die, Gravure, Rod coating
- Drying: 40 - 150 °C
- Curing: UV 240 W/cm² (N₂ purge: Optional)
- Production: R2R Coating

Diagram of Coating Line

Apollo and LC-3



Testing equipment and Reliability test



Analysis

Analytic Equipment **FT-IR , GPC , GC-MS , Thermal analysis (TG-DTA , DSC , TMA)**
Optical microscope, Differential interference microscope
Laser microscope , SPM , SEM-EDX

Property

Mechanical **Tensile strength , Adhesion , Pencil hardness , Coefficient of friction**
Thermal **Coefficient of linear expansion , Specific heat**
Optical **Transmittance , Reflectivity , Optical density , Refractive index , Haze , Gloss**
Clarity , Color , Brightness
Other **Viscosity , Specific gravity**

Reliability test

High temperature , Low temperature , Moisture resistance , Thermal shock , Light fastness
Weather resistance , Chemical resistance



COMPACT COATER