Tape process development and initial samples with lab scale process. Tape evaluation. Determination of cost or technical benefit.

Standardize tape specification, fix production process. Determine cost for pilot scale tape toll fabrication.

Develop machine specification. Design equipment module.

Develop spray dried or other method of coating powder with binder. Tapes produced with spray dried powder at RTI. Qualification of tapes from spray dried powder by client.

Qualification of tape by client. Blanket order for tape fabrication at RTI with periodic shipments.

RTI supports client with ongoing tape fabrication. Switch fabrication from lab scale to semi-automatic with spray dried powder.

Cost estimate for equipment module from Magnat-Fairview. Equipment module design review at Fairview. Approval of design by client.

Purchase order to Magnat-Fairview for equipment module. Machine construction 2-4 months.

Specify ancillary equipment such as powder handling equipment, sieves etc. Order ancillary equipment.

Prove-out of equipment module at Magnat-Fairview. Any necessary modifications to machine module completed.

RTI supports client with ongoing tape fabrication. Switch fabrication from lab scale to semi-automatic with spray dried powder.

Equipment module received and installed. RTI assists client with machine set-up and start-up. RTI provides final process specification. Training of client staff.


RTI supports client with ongoing tape fabrication. Client qualifies in-house tape. Technology transfer complete.