

Section 2.5 Single Point Diamond Turning

MRF In Action
On SPDT CaF2 Asphere

QED Technologies
OSA

MRF Spot
As seen through the part

Wheel Surface
Conveyor of MR fluid through work zone

Pole Piece
Channels magnetic field toward top of wheel

Lens Holder
Part held on by vacuum

Diffraction
On REAR surface from SPDT marks

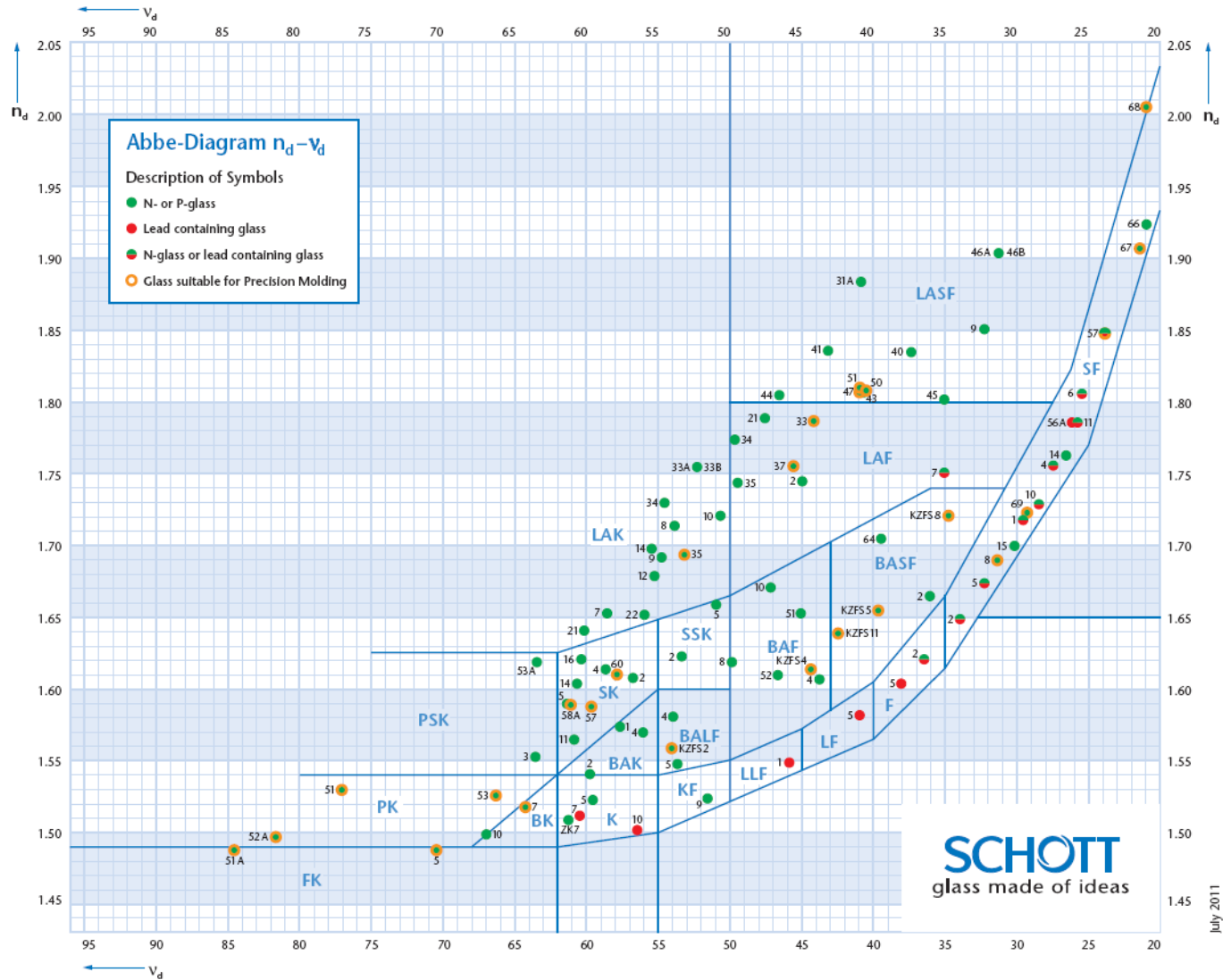
Diffraction
On FRONT surface – MRF has not polished here yet

NO Diffraction
MRF has polished this region and removed SPDT marks

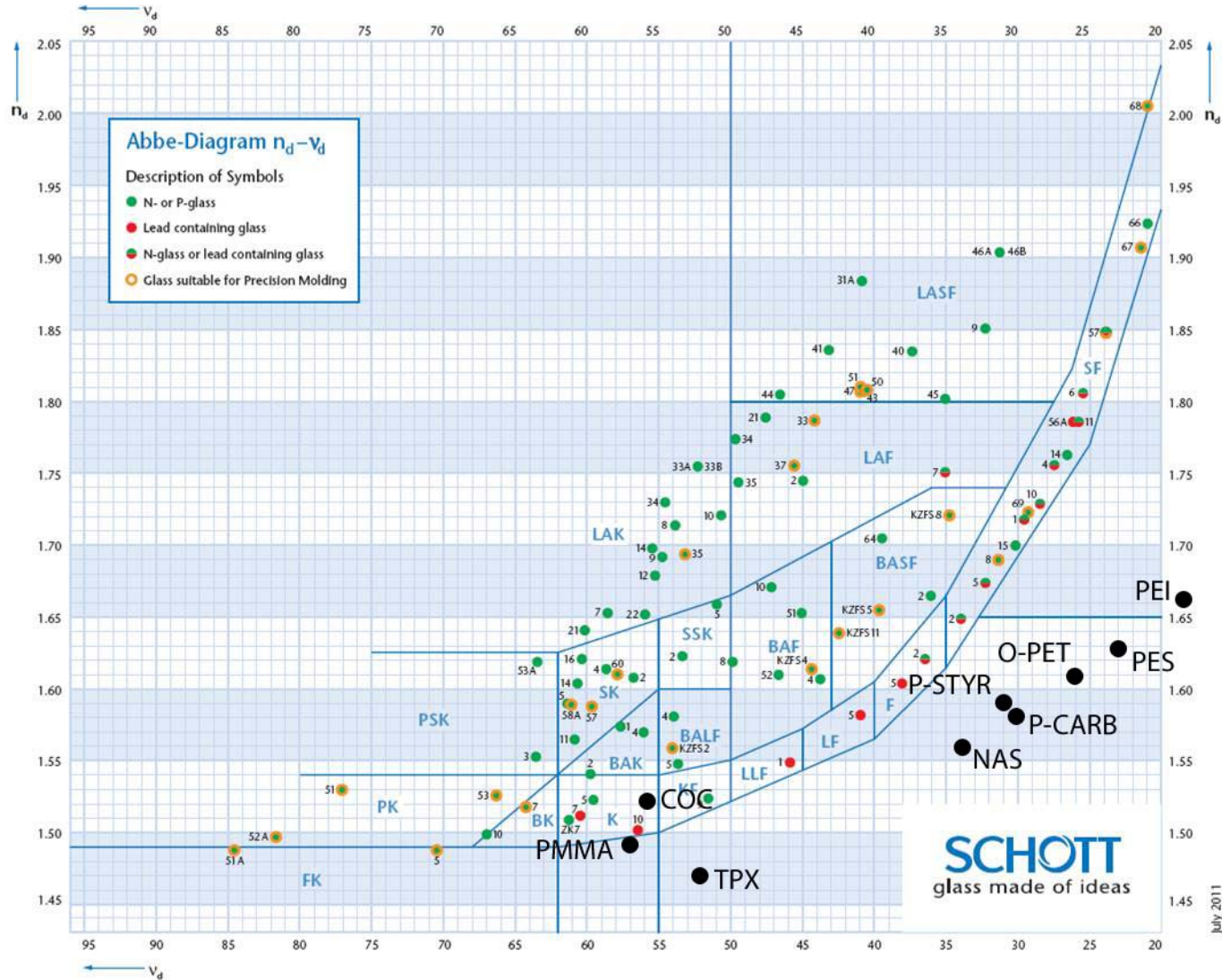
Paul Dumas - dumas@qedmrf.com
FIO SC323, October 2010, DO NOT COPY

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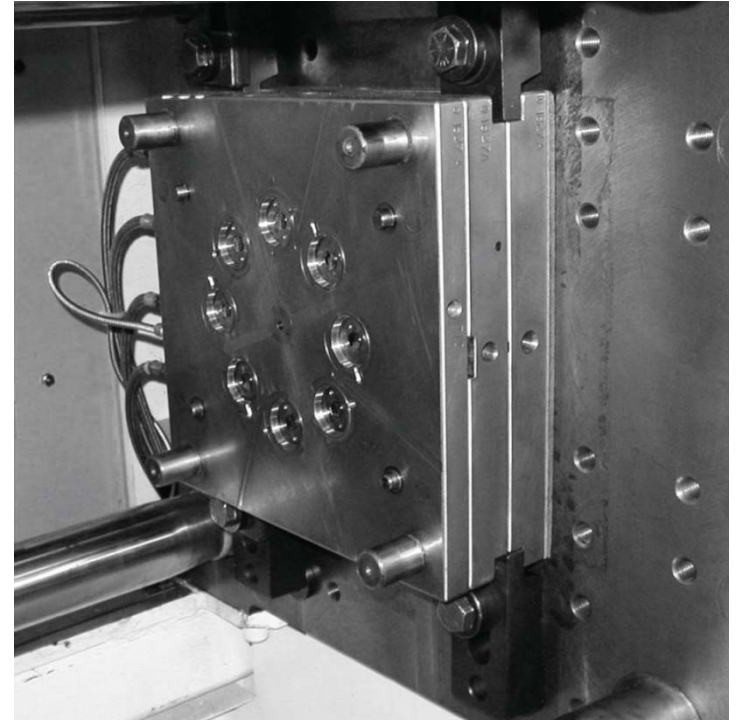
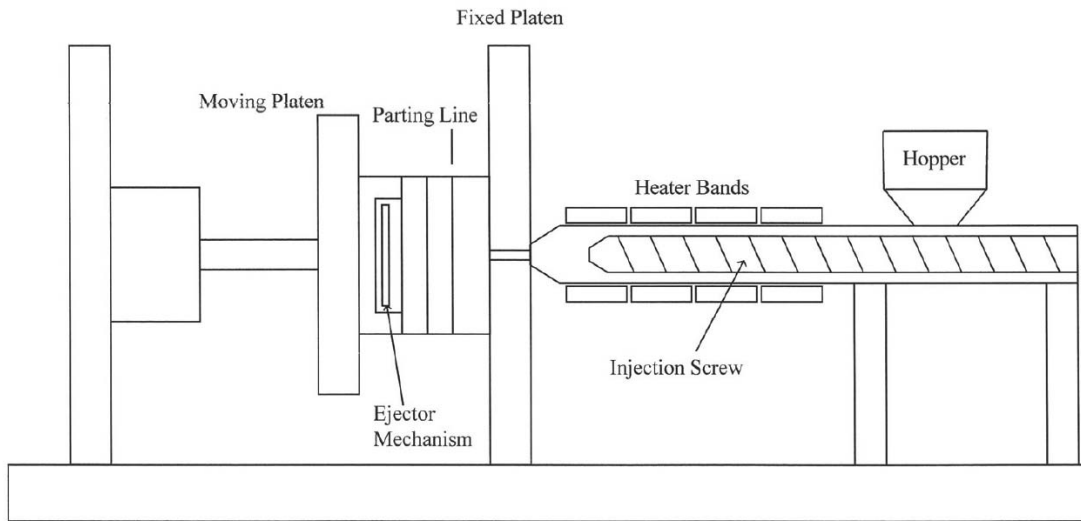
Abbe Diagram – Schott Glasses



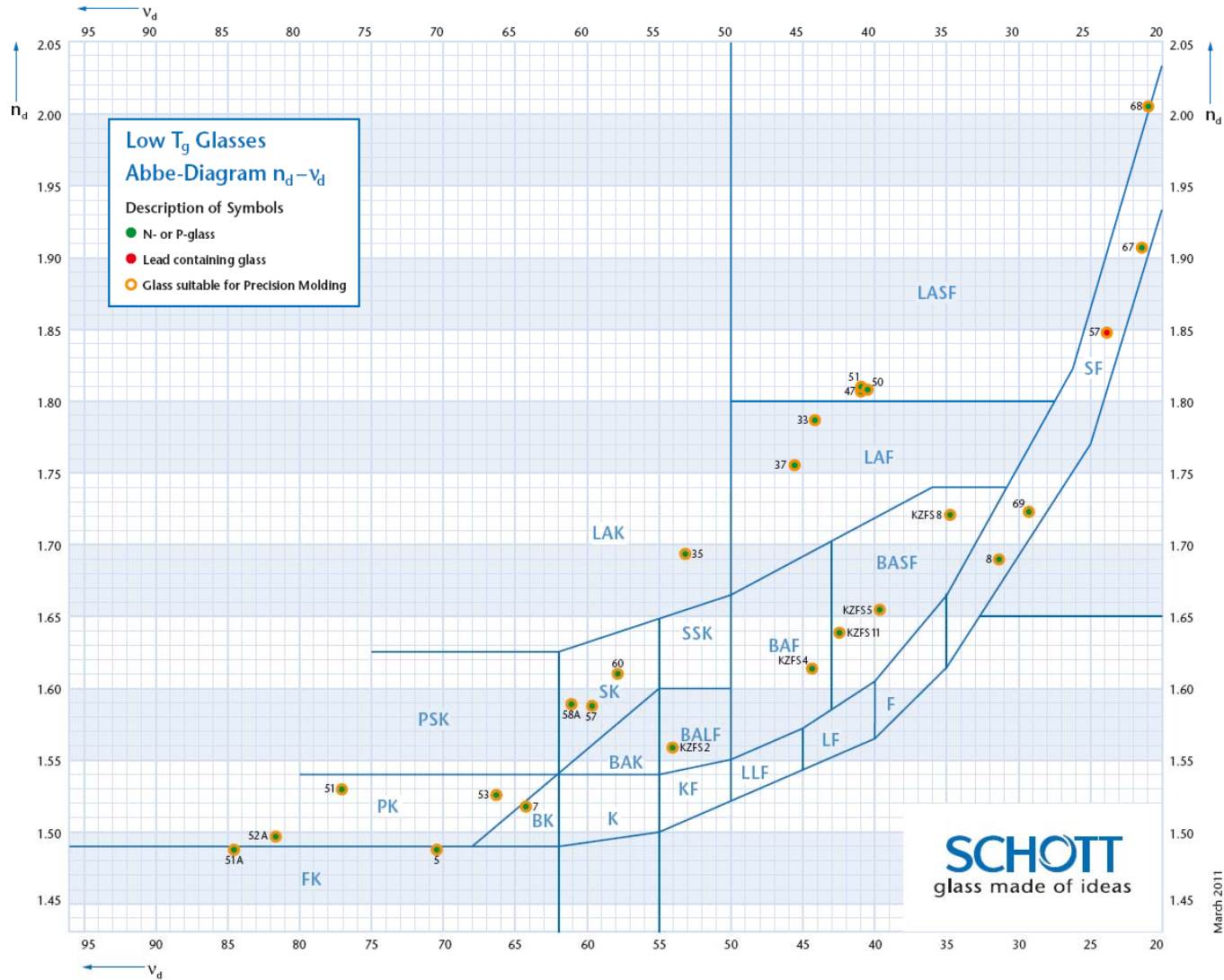
Abbe Diagram – Common Plastics



Plastic Injection Molding

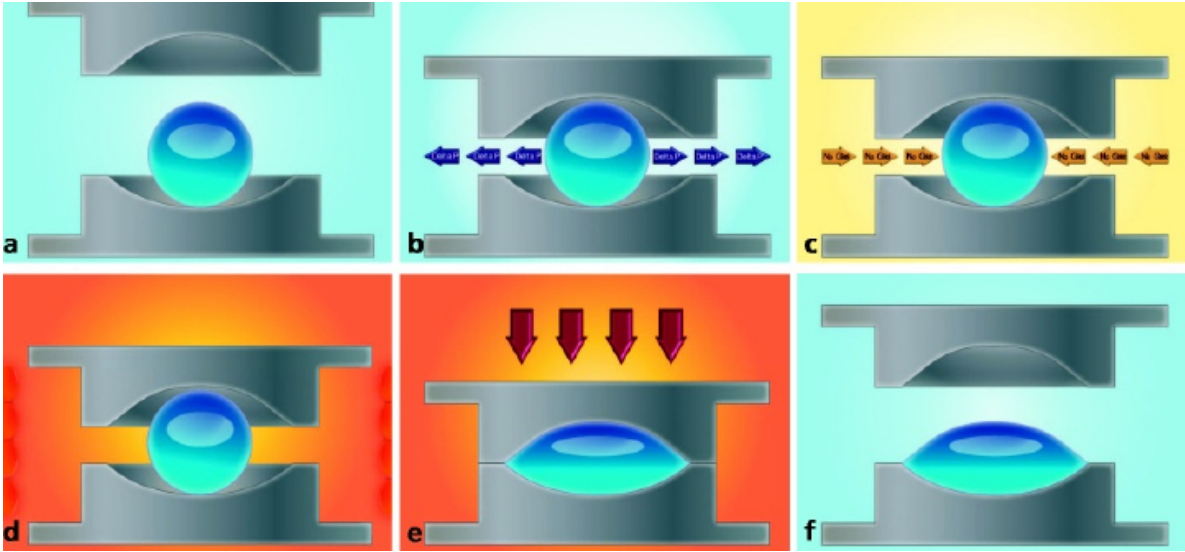
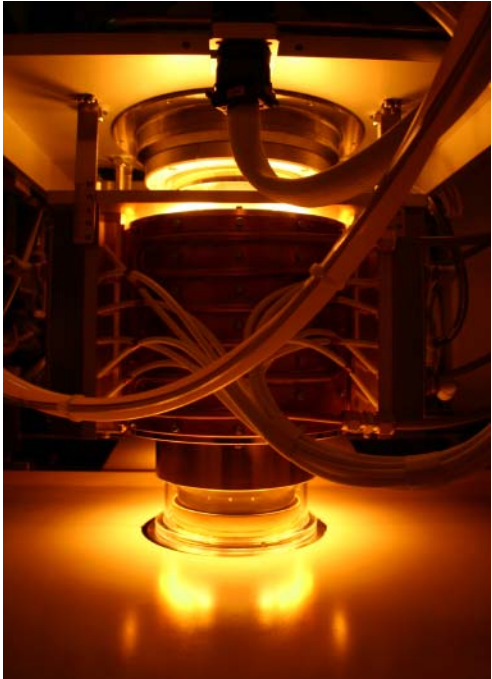


Abbe Diagram – Low T_g Glasses



Glass Molding

Gob



Compression Molding