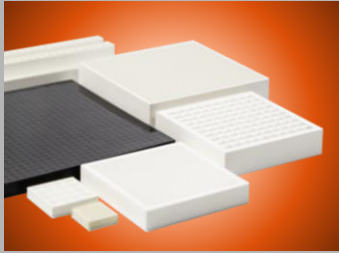


# State-of-the-art scintillation and detection solutions



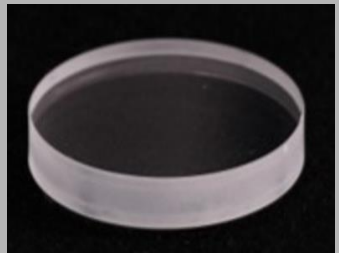
X-ray Imaging Arrays



Detector Assemblies



Optical Crystals



Infrared Components

**Synthetic Crystals** for infrared spectroscopy and radiation detection

**Expansive Materials Index** for optical and scintillation crystals

## Process & Quality

- ISO 9001:2015
  - ISO 14001: 2015
  - ISO 45001: 2018
- Lean Manufacturing, Six Sigma

**Close Cooperation** to meet incredibly demanding specifications

**Product Traceability** to source

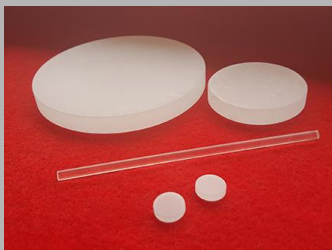
# Optical Crystal Index

<b>NaCl</b>	Sodium Chloride
<b>KBr</b>	Potassium Bromide
<b>KCl</b>	Potassium Chloride
<b>KI</b>	Potassium Iodide
<b>CsI</b>	Caesium Iodide
<b>CaF<sub>2</sub></b>	Calcium Fluoride
<b>LiF</b>	Lithium Fluoride

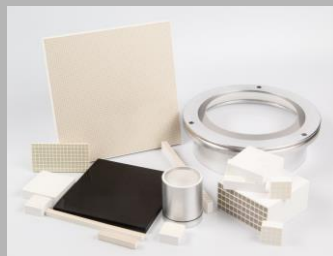
# Scintillation Crystal Index

<b>CsI(Tl)</b>	Caesium Iodide (Thallium doped)
<b>CsI(Na)</b>	Caesium Iodide (Sodium doped)
<b>NaI</b>	Sodium Iodide
<b>NaI(Tl)</b>	Sodium Iodide (Thallium doped)
<b>BGO</b>	Bismuth Germanate
<b>LYSO</b>	Lutetium Yttrium Orthosilicate (Cerium doped)
<b>CaF<sub>2</sub>(Eu)</b>	Calcium Fluoride (Europium doped)
<b>ZnWO<sub>4</sub></b>	Zinc Tungstate
<b>CdWO<sub>4</sub></b>	Cadmium Tungstate

# The Dynasil Family



**Dynasil Fused Silica**



**Hilger Crystals**



**RMD (Radiation Monitoring Devices)**

## Key Applications



**Baggage Scanning**



**Medical Imaging**



**Non-destructive Testing**



**Academic & Commercial Research**

# Proposed Hilger Crystals expansion development Margate Kent



T J D A TURNER JACKSON + DAY