VITRONIC
machine vision people

1984 Norbert Stein, who holds a doctorate in engineering, founded VITRONIC in Wiesbaden

1985 VITRONIC develops the **first optical navigation system** for automated guided systems; the technology is already as reliable that it allows fuel rods to be transported without a driver in a nuclear reprocessing plant

1986 The first camera-based **barcode reading systems** available in the market. Barcodes are identified on industrial containers in a rugged chemical environment using VITRONIC technology

1989 VITRONIC develops a combined **2-D/3-D depalletizing system** for an automobile manufacturer

1990 In Australia VITRONIC's systems **measure** aluminum ingots **three-dimensionally**

1991 Collaboration begins with General Motors' German subsidiary Opel in the field of **autonomous vehicle control**

1992 VITRONIC delivers the **first color machine vision system** to Volkswagen in Kassel to inspect assembly work

1995 VITRONIC develops VITUS pro for **three-dimensional human measuring**

1996 The city of Offenbach uses the first PoliScan system for **automated wet-film analysis**

1997 UPS' largest european distribution centre in Frankfurt, Germany, uses VITRONIC technology for **parcels identification** including first video coding systems for parcels weight and combined volume systems

1999 **VITRONIC Ltd. is established** in Louisville, KY. The world's largest UPS Worldport uses more than **200 VITRONIC Identification systems**
Amcor Flexibles takes delivery of the **first web inspection system**

2000 VITRONIC delivers and installs the TollChecker prototypes for **checking highway tolls** in Germany

2002 **Welding seams** are inspected **three-dimensionally** for the first time in the automotive industry with VIRO^{wsi}

2003 VITRONIC delivers all **300 control points** for the world's most prestigious satellite-based highway toll collection system for heavy weight trucks in the world
A 360°-round sensor reads lettering on the jacket surfaces of pharmaceutical closure caps – with only one camera and no moving mechanical parts

2004 VITRONIC delivers more than **1,000 parcel identification camera systems** in one year

2005 Dr. Norbert Stein receives the **"2005 Entrepreneur of the year"** award

2006 The Federal Physical-Technical Institute (PTB) in Braunschweig **certifies PoliScan^{speed}**. The first laser based speed enforcement system using digital technology measures and documents in free-flow traffic
VITRONIC is now represented on **four continents**