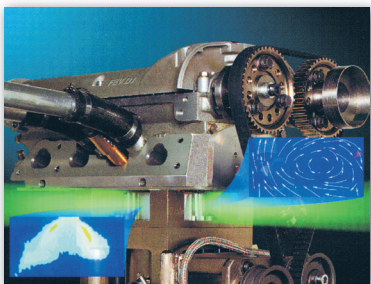


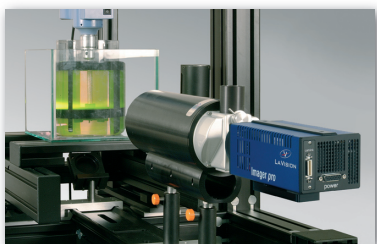
## Contract Measurements



IC engine research

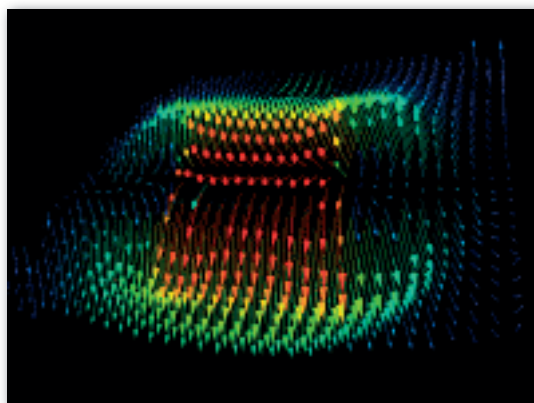


Aero engine research



Chemical engineering

LaVision offers a comprehensive range of contract measurement and consultancy services. Where experimental project deadlines necessitate a fast turnaround of results we offer unrivalled expertise in the area of scientific imaging and fluid dynamic data acquisition. Our experience spans many industry sectors and we have a proven track record in adapting our systems and services to a variety of applications worldwide. Our cost effective contract service provides customers with the opportunity to benefit from both rapid answers, and to test the feasibility of particular systems applied to their own challenging experimental environments



LaVision can undertake complete measurement campaigns on the customer site or in our state of the art application laboratories. By applying our many man-years experience in the field of scientific imaging we can conduct a complete study of the subject under investigation. After agreeing an experimental test plan and schedule the data acquisition phase commences, uncovering a wealth of new and useful data. At project completion, reports in both hard and soft copy detailing the findings are produced. In many instances the results uncover entirely new insights into the experiment. Therefore further investigations may be of interest to the customer, and we are happy to provide further advice or assistance with follow-up studies, or discuss opportunities for the customer to have a system for their own exclusive use with peace of mind that such a system will provide excellent results.

### Benefits of LaVision contract measurements

- ➔ cost effective solutions
- ➔ reduced financial and technical risk
- ➔ short turn around of results using LaVisions extensive experience
- ➔ one off projects possible
- ➔ tests suitability of equipment for future projects

#### LA VISIONUK LTD

DOWNVIEW HOUSE/ GROVE TECHNOLOGY PARK  
GROVE/ OXON/ OX12 9FF, UNITED KINGDOM

E-MAIL: [SALES@LAVISION.COM](mailto:SALES@LAVISION.COM) / [WWW.LAVISIONUK.COM](http://WWW.LAVISIONUK.COM)

PHONE: +44-(0)-870-997-6532/ FAX: +44-(0)-870-762-6252

#### LA VISION GMBH

ANNA-VANDENHOECK-RING 19  
D-37081 GOETTINGEN / GERMANY

E-MAIL: [INFO@LAVISION.COM](mailto:INFO@LAVISION.COM) / [WWW.LAVISION.COM](http://WWW.LAVISION.COM)

TEL. +49-(0)5 51-9004-0 / FAX +49-(0)551-9004-100

#### LA VISION INC.

211 W. MICHIGAN AVE. / SUITE 100  
YPSILANTI, MI 48197 / USA

E-MAIL: [SALES@LAVISIONINC.COM](mailto:SALES@LAVISIONINC.COM) / [WWW.LAVISIONINC.COM](http://WWW.LAVISIONINC.COM)

PHONE: (734) 485 - 0913 / FAX: (248) 465 - 4306

### The measurement contract process

**feasibility**- LV will assess technical limitations and report any restrictions

**plan**- LV will agree a costed plan and schedule of works with the client

**1st discussion**- to identify project objectives



**measurements** – carried out either on site or in LV application labs

**final report** – LV will deliver a detailed report of results and findings

### Application examples:

- ➔ Automotive
- ➔ Aerospace
- ➔ Combustion
- ➔ Process engineering
- ➔ Pharmaceuticals
- ➔ Biomedical
- ➔ Environmental
- ➔ Fundamental fluid mechanics
- ➔ Spray nozzles
- ➔ CFD validation
- ➔ Material testing



### Contract rental

If you have in-house experience with the above systems, we are also able to offer short-term equipment rentals. Like full contract measurements, our cost-efficient rentals offer an excellent opportunity to prove the suitability of LaVision equipment in your experimental environment. If you have a new measurement project and want to benefit from rapid turn around of results whilst minimizing the financial and technical risk, please contact us at the below address to discuss your requirements.

### Techniques available on a contract basis:

- ➔ Particle Image Velocimetry (PIV) – 2D & 3D full field velocity measurements in fluids
- ➔ High Speed Imaging – flow visualization
- ➔ Spray Analysis – spray geometries & drop sizes
- ➔ Combustion Imaging - fuel, flame species, temperature and exhaust
- ➔ LIF – concentration & temperature in mixing flows
- ➔ Material Strain – 2D & 3D full field strain analysis
- ➔ Multi-Parameter Imaging – a combination of these techniques

Data provided by LaVision is believed to be true.  
However, no responsibility is assumed for possible inaccuracies or omissions. All data are subject to change without notice.  
Mar-11

#### LA VISION UK LTD

DOWNVIEW HOUSE/ GROVE TECHNOLOGY PARK  
GROVE/ OXON/ OX12 9FF, UNITED KINGDOM

E-MAIL: SALES@LAVISION.COM/ WWW.LAVISIONUK.COM

PHONE: +44-(0)-870-997-6532/ FAX: +44-(0)-870-762-6252

#### LA VISION GMBH

ANNA-VANDENHOECK-RING 19  
D-37081 GOETTINGEN / GERMANY

E-MAIL: INFO@LAVISION.COM / WWW.LAVISION.COM

TEL: +49-(0)5 51-9004-0 / FAX +49-(0)551-9004-100

#### LA VISION INC.

211 W. MICHIGAN AVE. / SUITE 100  
YPSILANTI, MI 48197 / USA

E-MAIL: SALES@LAVISIONINC.COM / WWW.LAVISIONINC.COM

PHONE: (734) 485 - 0913 / FAX: (248) 465 - 4306

