



CAMO
Bring data to life

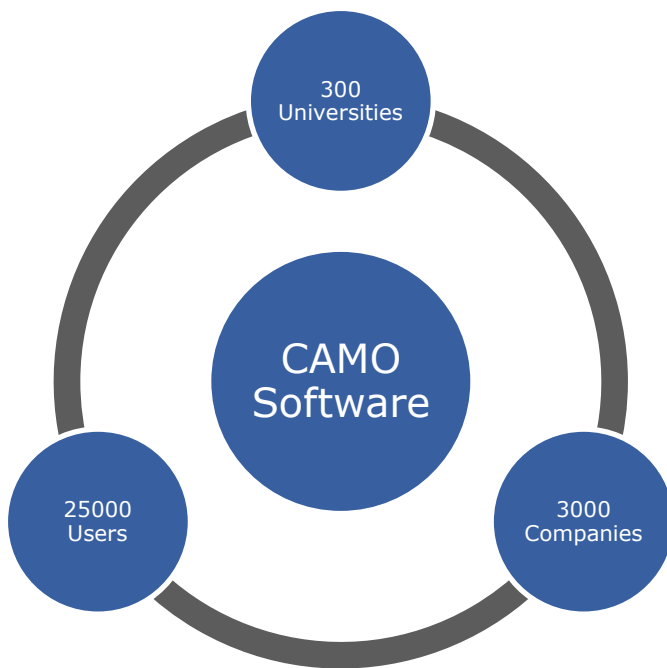


“The Unscrambler® X provides a very intuitive graphical representation of the data, making it easier for chemometrics neophytes to evaluate data. Overall, these benefits have translated into lower Total Cost of Ownership (TCO). The ability to develop such methods in a centralized laboratory has resulted in lower development and assessment costs, thus with an inverse increase in ROI.”

Loctite



Specializes in multivariate data analysis, visualization and workflow management



OUR MISSION

To develop and deliver **unmatched** software products, solutions and services to maximize our customers' ROI and productivity.

About CAMO

Headquartered in Oslo, Norway, CAMO Software is a leading scientific software company that specializes in multivariate data analysis, visualization and workflow management. The **Unscrambler X[®] Software Suite** is a leading Multivariate Data Analysis and Chemometrics solution used by most of the major pharmaceutical, chemical, energy, consumer products and material companies. CAMO's passion is the comprehension and simplification of complex data, resulting in efficient identification, cost, research and design as well as faster analytical results.

With over 30 years of experience in software product development, CAMO continues to be firmly committed to helping our clients accomplish their business goals while increasing the value they obtain from their product and process development. This is a legacy that has earned CAMO Software the trust of many of its stakeholders, which include over 3000 Companies, 300 Universities and 25000 users in close to 50 countries.



“The analytical engines from CAMO have the capacity to move complex mathematical statistical processing into the background of industrial applications, giving real world results in real time without the end user needing to know about high level statistical data analysis. Brilliant!” Jeffress Engineering

Setting industry standards in DoE, Exploratory Data Analysis and Process Monitoring Solutions

Camo Software Products

The Unscrambler® X

- Leading multivariate analysis and Design of Experiments software used by thousands of data analysts around the world every day.

Unscrambler X Process Pulse

- Real-time process monitoring solution using Unscrambler models that lets you predict and correct process deviations before they occur.

Unscrambler X Prediction Engine

- Run real-time analysis and predictions directly from your analytical instruments using Unscrambler models, thereby getting more value from your investment in the instrument.

Unscrambler X Classification Engine

- An Unscrambler module that runs data analysis and classification in real-time synchronization with your analytical instrument, adding direct value to your initial investment.

Get value out of your data

The Unscrambler® X Software Suite is the complete Multivariate Analysis and Experimental Design software, equipped with powerful methods including PCA, Multivariate Curve Resolution (MCR), PLS regression, 3-Way PLS regression, Clustering (K-Means), SIMCA and PLS-DA Classification.

This market-leading software is extensively used across a wide range of research and industrial applications, including advanced Chemometrics, Spectroscopy and cutting-edge Sensometrics. The results are demand-driven formulations, process optimization, cost-savings and increased ROI in product development, process control, quality control and R&D.

“ We collect so much technical manufacturing data and market research data, yet we waste it. The data mining capabilities of The Unscrambler® X help us create leading brands and greater value for the business from our data.”

SABmiller



Transforming data into process understanding, and process understanding into real business value

Solutions

Over 30 years, CAMO has deployed its experience in Multivariate analysis, Chemometrics and PAT solutions to transform large volumes of data real business value for leading pharmaceuticals, energy, chemical and food & beverages companies. CAMO is uniquely suited to help leverage your investments in:

- Multivariate data acquisition & analysis
- Off-line "what if" analysis & simulation
- Off-line model predictive control
- Online process monitoring & prediction
- Online validation and back-up
- Online model predictive control
- Performance management
- NIR and other sensor technologies that produce volumes of online process data

Chemicals

- Optimizing paint and other polymer based products and processes with process-mixture designs
- Real-time monitoring of a chemical processes
- Monitoring polymer composition in extrusion processes

Oil & Gas

- Raw material identification, classification and chemometric analysis of raw material
- At-line process control using a NIR spectrometer
- Design of Experiments to minimize costly trial and error experiments with raw materials
- Multivariate Calibration for Process Analyzers

Food & Beverages

- Using sensory analysis to predict potential market share growth
- Sensory and cognitive factors in food preference
- Infrared spectroscopy for food quality analysis and control

Pharmaceuticals

- Understand and predict device performance and behavior before beginning development
- Determine product characteristics suited to specific consumer segments and conditions
- Identify potential faults in production line that could lead to product defects

Agriculture

- Prediction of soil content using near-infrared spectroscopy
- Precision agriculture: using PLS quantification of NIR of soil to tailor fertilization of crops
- Determining ripeness of fruit to optimize harvesting from transmittance NIR

Education

Training courses available in

- Multivariate Data Analysis I & II
- Design of Experiments
- MVA of Sensory Data
- MVA in PAT
- Process modeling & optimization

Customized Support

We offer personalized solutions for

- New product development
- Product integration
- Data migration & quality
- In-house customized training

“CAMO Software provides the innovative tools better needed to understand our consumer product dynamics and the changing fragrance preferences of various consumer segments.” Takasago International



The true value of our products is reflected in the solutions we offer to our partners and customers

Our Partners



Our Clients (selection)

Chemicals

- BASF
- Croda
- Takasago
- Yara

Pharmaceuticals

- Alpharma
- AstraZeneca
- Bayer
- Bristol-Myers Squibb
- GE Health Care
- Lilly
- Mundipharma
- Novo Nordisk
- Nycomed
- Organon
- Solvay
- Roche
- Sanofi aventis

Energy

- Castrol
- ExxonMobil
- Hydro
- Shell
- Statoil
- Total

Misc

- 3M
- Borealis
- Du Pont
- Fuji Film
- GE
- Goodyear
- Mitsubishi
- Nokia
- Orkla
- P&G
- Panasonic
- Polaroid

Food&Beverages

- Anisco
- Carlsberg
- Dr. Oetker
- FritoLay
- General Mills
- Heineken
- Johnsonville
- Kraft
- Nestle
- Pernod Ricard
- Sargento
- Tropicana
- Unilever



For more information

To learn more about The Unscrambler® X family of products and solutions or to find out how CAMO can help you develop a solution to meet your needs, contact your CAMO representative or visit: www.camo.com

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