

EN



Print Software Driven by Innovation

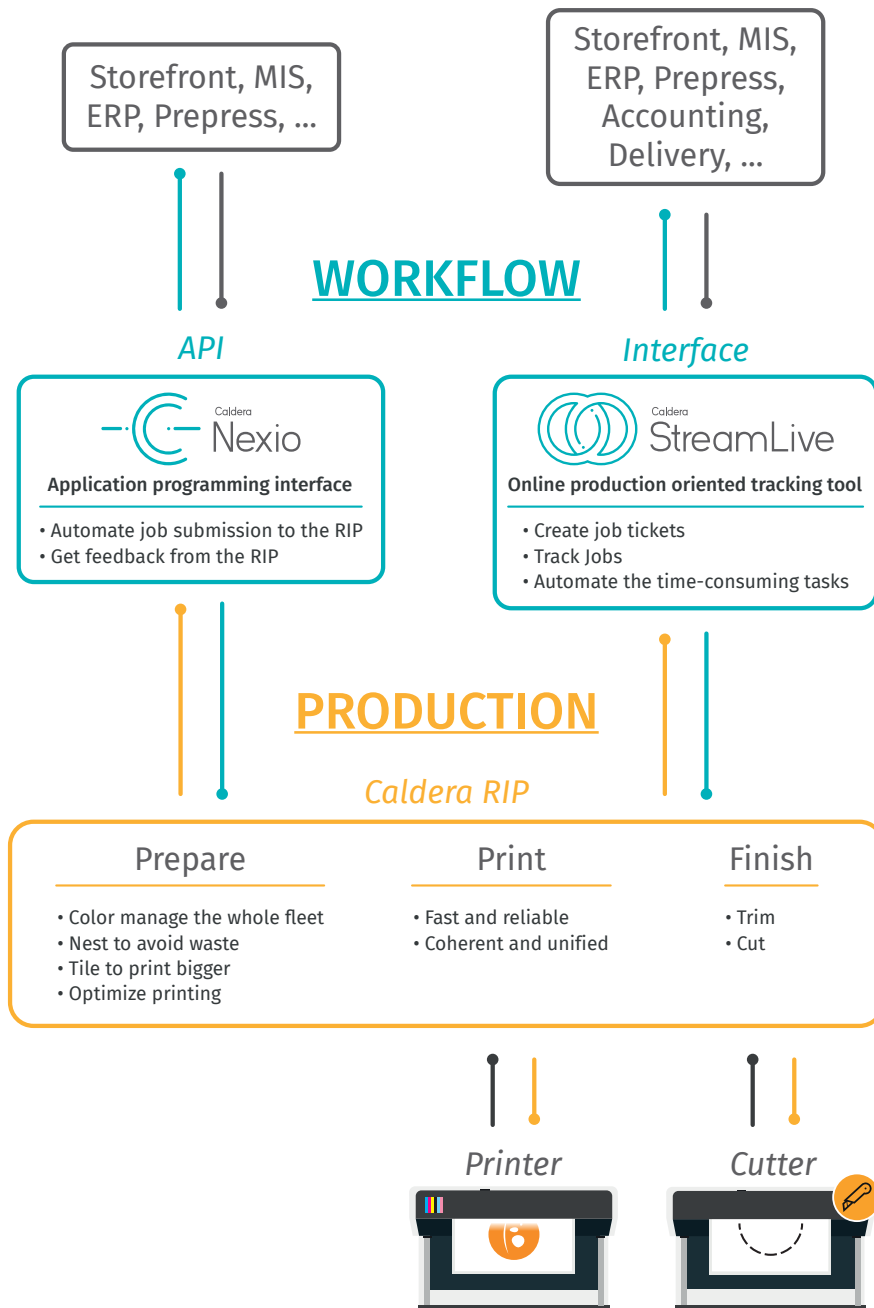
About Caldera

Since 1991, Caldera develops software for the inkjet printing industry.

We drive large format devices with a focus on productivity and efficiency for optimal color management in a controlled production workflow.



Caldera Ecosystem



Caldera RIP

Caldera RIP is the only software on Mac and Linux that integrates pre-press tools and drives over 1000 printers and cutters.

Caldera helps you to consolidate your production by using a single RIP to operate all of your printers, for a coherent output and to save time, ink and media on all your printing jobs.

Our industry-leading solutions for printing and cutting workflows are the preferred choice of major players in large format printing worldwide.



Required configuration

PC

Linux OS: Debian 8.6 Jessie Official (Mate desktop)
 CALDERA Debian 2 (but APPE3 - not APPE4)
 Processor: Intel Core i3, i5, i7 or Xeon
 RAM: 4GB or 8GB (recommended)
 Minimum 1GB per core, recommended at least 2GB per core
 HDD: 250GB
 Monitor / Video card: 1280x1024 minimum resolution

MAC

MacBook, MacBook Air and MacBook Pro not supported!
 PPC based hardware (G5, G4, ...) not supported!
 System: macOS 10.9+ (see compatibility)
 Processor: Intel Core i3, i5, i7 or Xeon in Mac mini, iMac or Mac Pro
 RAM: 4GB or more. Minimum 1GB per core, recommended at least 2GB per core
 HDD: 250GB
 Monitor / Video card: 1280x1024 minimum resolution

Your applications

Sign, display, textile printing, industrial printing, ...



Sign: Posters, Window Stickers, Vehicle Wraps



Banners



Flooring & Laminates



Soft Signage



Wallpaper and Decorative Textile



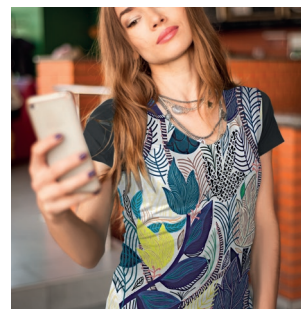
Edibles



Ceramics



Glass



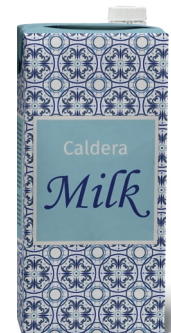
Garments



Metal



Plastic



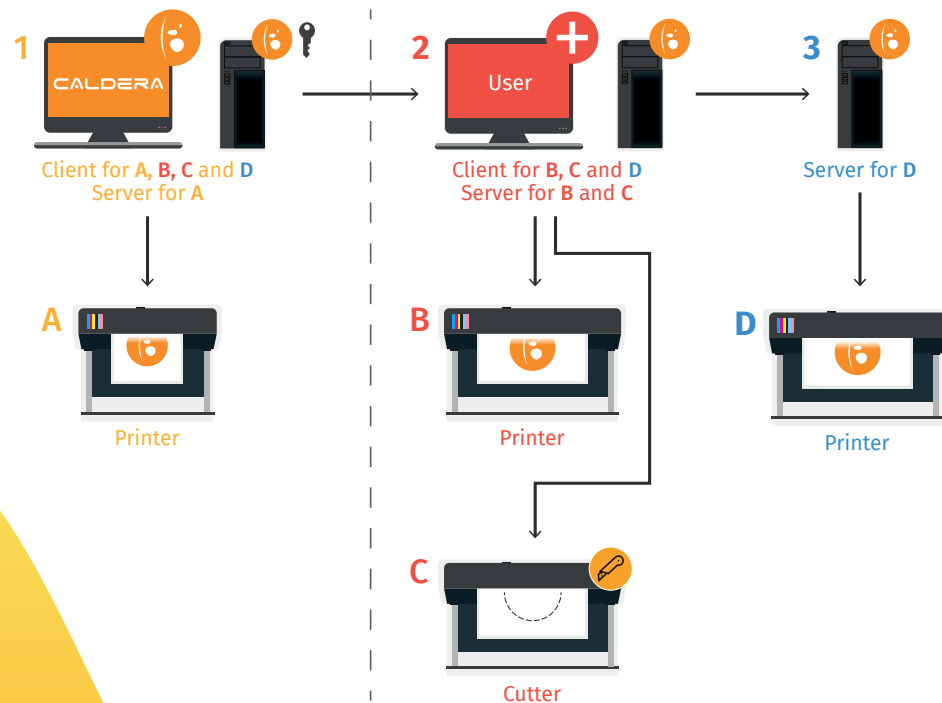
Cardboard

Our core technology

Caldera is the pioneer in Client/Server architecture allowing a large fleet of printers and cutters to be run from a few operator workstations. This production configuration increases reliability, performance and user-friendliness.

Purchase one main RIP license and share it with all computers (Mac and Linux) in your network. A Client computer requests different devices in your network to compute jobs, while a Server computer executes the requests. You can add as many Clients and Servers as you need to drive an unlimited number of devices.

Example of configuration:



User benefits

Cost control:

- Only one upgrade for an entire fleet
- Only one license and GUI for an unlimited number of servers
- Reliable Linux servers

Greater reliability:

- Reduced training time and errors
- Enhanced color workflow and coherence
- Adobe PDF Print Engine at the heart of the software

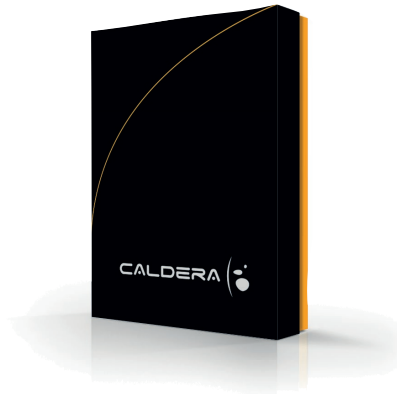
Unrivalled performance:

- Scale-free computing
- Unique user experience focused on the image to be printed and simple drag and drop interaction
- Efficient and easy-to-use automation

One license to drive
all your printers!

RIP packages

The Caldera RIP is available in different packages, depending on your production needs. Choose the solution that's right for you, add as many users as you like and adjust the number of printing and cutting drivers for your configuration.



Package	Caldera VisualRIP+		Caldera GrandRIP+		Caldera TextilePro	
	Sign and display		High volumes and industrial printing		Fashion and home decoration	
Market	Sign and display		High volumes and industrial printing		Fashion and home decoration	
Edition	Special	Full	Special	Full	Special	Full
# printer drivers included	1 Cat. A or B* Locked LFP	2 Cat. A or B* Open LFP	1 Cat. A or B* GFP	4 Cat. A or B* LFP or GFP	2 Cat. A* Textile	2 Cat. B* Textile
# cutter drivers included	1 VisualCut	1 VisualCut	1 VisualCut	1 VisualCut + 1 GrandCut	Option	Option
# users included	1	2	1	2	2	2
CostProof	Option	✓	Option	✓	✓	✓
CostView	Option	✓	Option	✓	✓	✓
Hardware acceleration	Option	✓	Option	✓	Option	Option
RGB Workflow	Option	Option	Option	Option	✓	✓
CustomInkset	Option	Option	Option	Option	✓	✓
Trim-O-Matik	Option	Option	Option	Option	Option	Option
InkPerformer	Option	Option	Option	Option	Option	Option
Print standard Verifier	Option	Option	Option	Option	Option	Option

*For more information see our website www.caldera.com/support

Included features

Features included in all our packages

RIP: Adobe PDF Print Engine, Ghostscript Engine, Sync&Deploy

Monitoring: Multi queue spooler, PrintBoard

Color Management: Advanced ICC profile creation tool (EasyMedia)

Preparation:

- **Jobs:** HQ Preview, Nesting (Step&Repeat, Tex&Repeat, ContourNesting and Nest-o-Matik), Tiling
- **Color:** Color bars, spot color libraries, ICC profile support, Last minute color corrections, Spot Color separation and replacement

Finishing: Cut marks, PrintBleed, Grommets, QR Codes, Barcodes

Optional features

Unified print-to-cut workflow

Cut modules for a complete production flow

Caldera drives the best cutters in the industry, either automatic line cutting devices (VisualCut) or via controllers (GrandCut), in order to guarantee you:

- a unified print-to-cut workflow
- automatic setting of cutting marks
- managing multiple contours in a single file
- the possibility of adding additional positioning marks
- the possibility to minimize wastage and enhance cutting accuracy

Trim-O-Matik for cutting automation for a more efficient workflow

This option prepares your jobs for automatic trimmers such as Fotoba, Crest, Kala, Meevo and similar devices.

It allows you to combine trimming with the power of the Caldera nesting and repeating features (Step&repeat).

All your jobs can be automatically assembled and then cut on large rolls, thus reducing waste and increasing your production rate.

Optional features

Master your costs

CostProof **to estimate your ink and media consumption**

This cost estimate module calculates your ink and media consumption per job to give you the estimated cost of printing so that you can offer the most accurate possible quotes.

Please check for printer compatibility on www.caldera.com (see "supported peripherals").

InkPerformer **for smart ink savings**

For each job, the best combination of inks is calculated in order to reduce the overall quantity of ink used while maintaining the quality of your prints.

Reducing the amount of ink used allows faster drying time and cuts down on production costs.

● Ink Optimization

InkPerformer

● Cost Management

CostProof

Job	Colors	Settings	Printer	Media	History	CostProof	Cutting	Job Ticket
		Usage	Cost		Ink+Media			
Cyan		29,54 ml		5,02 EUR				
Magenta		45,83 ml		7,79 EUR				
Yellow		33,64 ml		5,72 EUR				
Black		65,03 ml		11,06 EUR				
		7,83 ml		1,33 EUR				
		20,87 ml		3,55 EUR				
		7,83 ml		1,33 EUR				
Total		210,57 ml		35,80 EUR				
Media		15,50 m ²		81,38 EUR	117,17 EUR			

Shadows2.jpg Optimized

FLOWERS

Matt Coated Paper 7215 180g, cost undefined

Finished

Ink saved: 35%

CostView **to measure your print jobs cost**

CostView complements the features of CostProof by providing an overview of all costs related to each job, not only in terms of ink and media, but also the costs of the machine and other additional costs.

Thanks to an easy-to-use web interface, production managers can track and explore their production to find areas for improvement. It is also possible to export this data in CSV format in order to use them in other analysis tools.

● Cost Management

CostView

JOBS ADMIN Update jobs CostView

RIP: All Printers: All

From: To: Name: Filter Clear

Job	Process start	Printer	RIP	Total cost	Total CO2
City_STRASBOURG Vectors GreyLevel-SpotColor.pdf	05/01/2017 05:31:31	CalderaJet	Mac V11	16,27 €	0,48 g

Job information

Height: 1.86116 mm/copy
Width: 1.11167 mm/copy
Area: 1.85 m²/copy
Media: Premium Semigloss Photo Paper 170

Media consumption: 1.86 m² (1.86 m²/copy)
Ink consumption: 26.42 mL (26.42 mL/copy)
Media Waste: 0.88%

Total Cost: 16.27 €
Total CO2: 0.48 g

Media consumption: 1.86m² (1.86m²/copy)
Ink consumption: 26.42mL (26.42mL/copy)

Hardware Acceleration

Hardware acceleration lets you take advantage of your computer's full capacity to speed up RIP and print times. Thanks to the OpenCL™ technology, all central processing units (CPU) and graphics cards (GPU) are in sync with your production.

Run more printers with fewer computers, RIP your jobs at the last minute and be ready to invest in the world of ultra-fast digital presses (single pass).

Included in Full editions



Optional features

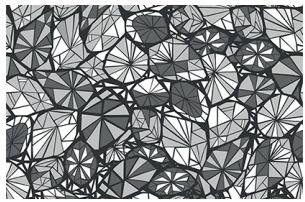
Master your colors

RGB Workflow **for a richer, deeper black**

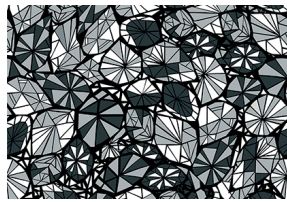
One of the day-to-day challenges faced by printers working directly with designers, particularly in the textile sector, but also in photography and backlit media, is getting close to the deep black visualized on screen.

As a rule, designers work in the RGB color space, while printers work in CMYK. Integrating an RGB flow into the printing process makes it possible to control the printing of black and to provide designers with a simulation profile in RGB.

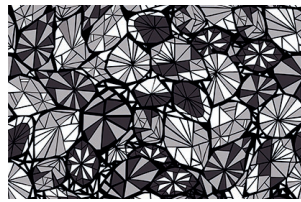
This is an option included in the Textile package.



Without RGB Workflow



With RGB Workflow



CustomInkset **for improved ink management**

This module lets you create and manage customizable configurations for ink. Insert your cartridges, choose which ones will be used in the mixes (process inks) and which will be handled separately (spot inks).

This is an option included in the Textile package.

PrintStandardVerifier **to check the conformity of your prints**

This option makes it possible to carry out periodical conformity checks of the printing process with respect to the industry color standards: Fogra, G7, ISO.

If you are printing for large accounts, you can assure them of your ability to meet international standards for right color consistency.



Our hardware solutions

Pre-installed computers for easy setup

Caldera offers pre-installed RIP solutions on

DELL computers *(offer available worldwide)*

- 4 solutions depending on your needs (power, production volume...),
- gives you access to premium DELL support worldwide,
- a restoration USB stick is included.



C1



C2



C3



C4

Caldera CS *(Offer available in Europe only)*

- high volume production hardware
- easy scaling and maintenance
- available through certified partners



Our hardware solutions

Spectrophotometers for color measurement

It is impossible for a single color configuration to work with all inks, media or printers on the market.

To get accurate colors, a generic profile and a little bit of luck may do the trick.

But to make a difference, you need to calibrate and characterize your printing configurations with the help of an ICC profile creation tool

(EasyMedia) and a color measuring tool: a spectrophotometer.

X-Rite i1Pro2 **Manual spectrophotometer**

- USB connectivity
- Conditions: M0 and M1, M2 in double reading*
- Allows: linearization, ICC profiles, Spot colors Measurement
- On flexible or rigid opaque media
- Reading aperture: \varnothing 3,5 mm



x-rite

X-Rite i1Pro2

Caldera ColorPad **Manual stand-alone spectrophotometer**

- USB and Wifi connectivity
- Integrated touchscreen
- Conditions: M0, M1, M2*
- Allows: linearization, ICC profiles, Spot colors measurement
- On flexible or rigid opaque media
- Reading aperture: \varnothing 6 mm



Caldera
ColorPad

X-Rite i1iO2 **Automated XY scanning table to supplement the i1Pro2**

- Allows automated target reading with an i1Pro2 (not included)



x-rite

X-Rite i1iO2

Caldera EasyColor **Automated spectrophotometer for sheets**

- USB connectivity
- Automatic reading of A4 sheets
- Conditions: M0*
- Allows: linearization, ICC profiles
- On opaque or transparent flexible media (maximum thickness 1 mm)
- Reading aperture: \varnothing 6 mm

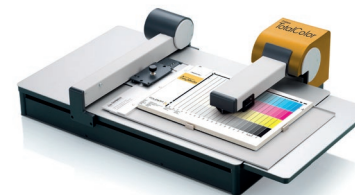


Caldera

EasyColor

Caldera TotalColor **Multipurpose automated table**

- USB connectivity
- Conditions: M0*
- Allows: linearization, ICC profiles, Spot colors Measurement
- On flexible or rigid media that is opaque or transparent (maximum thickness 20 mm)
- Reading aperture: \varnothing 2-6-8 mm



Caldera

TotalColor

*Measurement Conditions:

M0 = undefined UV

M1 = with UV

M2 = UV filter

Our hardware solutions

Softproofing solution to simplify color verification

ColorViewer **Hardware and software solution for on-screen proofing**

- Wide gamut display
- Normalized light box
- The only solution available on the market that takes into account the four essential elements of digital proofing:
 - the ambient light
 - the monitor's light
 - the observer angle
 - the normalized lighting
- Allows remote approval of proofs
- Allows quality control
- Fogra certified



Our services

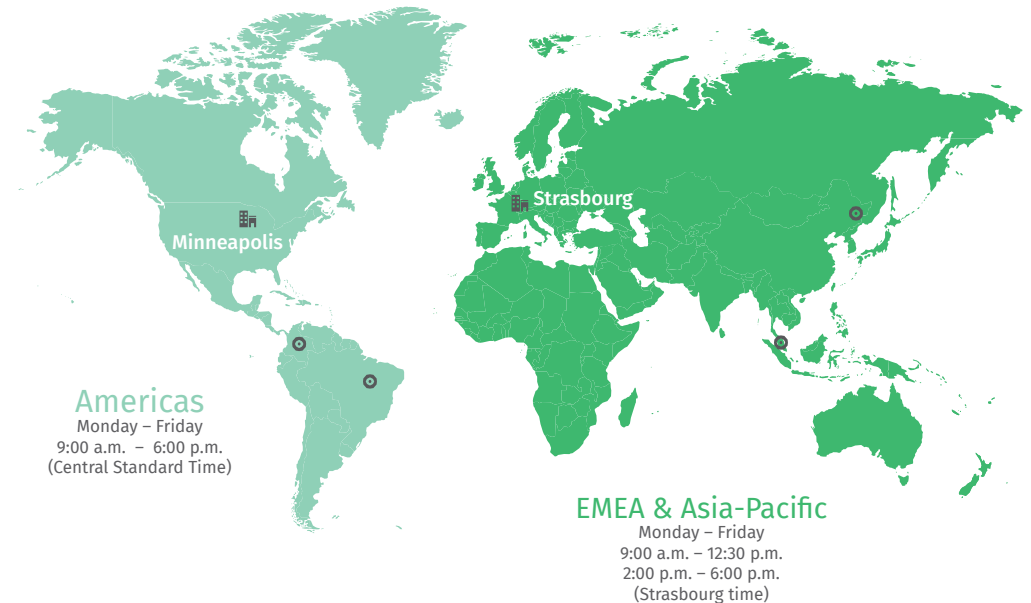
Do you have a project? We have a solution!

Service & integration

- Project management
- Workflow audit & specification
- Custom developments
- Industrial projects

Support

- Hotline
- Training
- Maintenance contracts
- Installation services



- Support staff members in China, Malaysia, Brazil and Colombia

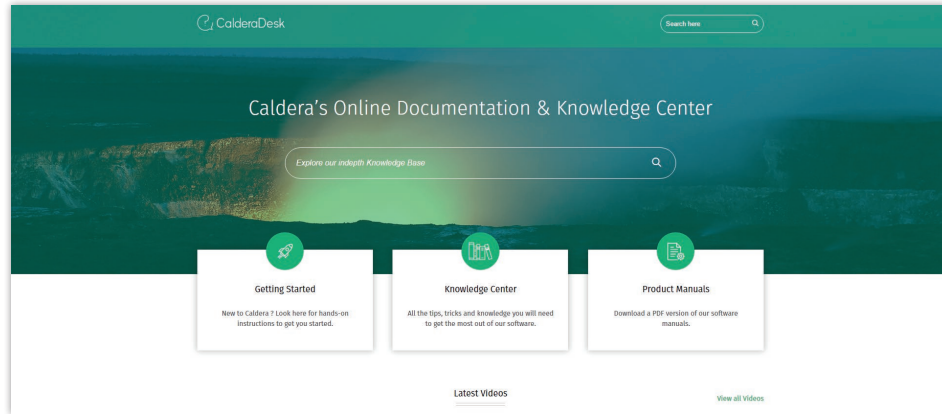
Online resources

Free trial version

demonet.caldera.com

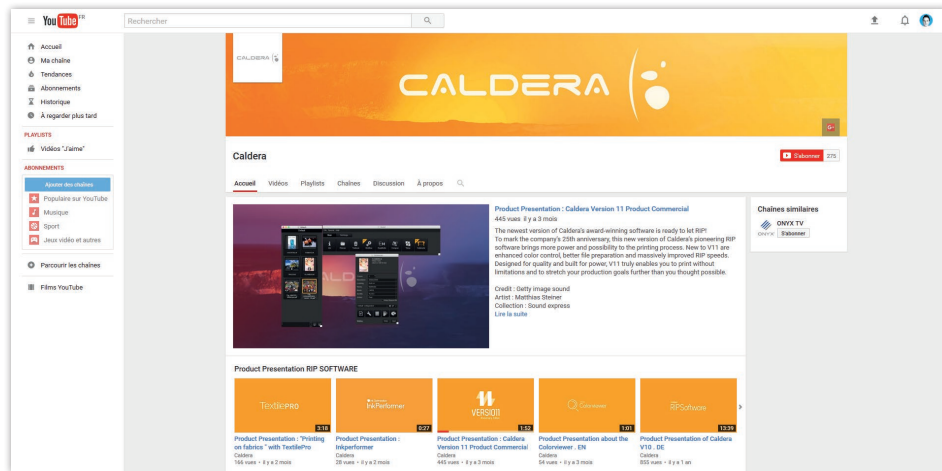
Online help portal

calderadesk.caldera.com



Our YouTube Channel

youtube.com/CalderaRIP



Our partners

More than 1000 supported printers and cutters

Caldera works closely with manufacturers in order to develop solutions that meet the diverse needs of the market.

OEM partners



Supported manufacturers



Strategic partners



Our customers

Over 15 000 providers of printing services are already working with our solutions and rely on Caldera for their productivity each day.

Caldera is constantly looking towards the future and expanding its technical know-how in the field of inkjet technology to tap into new markets and applications such as manufacturing (printing on ceramics, glass, wood and textiles), packaging, labeling and digital printing presses/packaging.

Sign, digital graphics and visual communication

Argentina: Gigantografica, Omnigraphics

Australia: Active Displays, Cactus Imaging, Catalyst, CMYK Hub, GSP Print, Resolution Imaging

Austria: Arian, Druck.at, Salon Iris

Belgium: Dael Printing, Ye Print

Brazil: Dinamica, Pigmentum

China: Baicheng, Dong Sheng

Advertising, Xiamen Art Printing

Colombia: Grupo Mercadeo

Czech Republic: Top Advert

Denmark: LaserTryck

Egypt: Five Stars

France: Comptoir de l'Image, Dodeka,

DS Impression, Picto, France Affiches,

Nice Colors, Ad Visuel, Mangold,

Ceanothe, TopColor, Komosol Groupe

Germany: CeweColor, FlyerAlarm,

DieDruckerei, Niggemeyer

Hong Kong: Art One Production,

Professional Production, Tri Color

Hungary: Eclipse Print, OSG

Italy: DB Ingegneria dell'immagine,

ImagingPro, Pixart Printing, TicTac

Ireland: Horizon Graphics, McGowans

Japan: Daido, Sign Artec,

Tokyo Lithmatic

Corea: Dain Communication, Gaunet

Malaysia: Pixio

Mexico: Pancarta, Print

New Zealand: Broderick Print,

Leeding Signs, Massy University,

Print House, Boston Digital,

Image Center, Original Screen

Netherlands: Big Impact, Probo Print

Norway: Megaprint, SW Trykk

Peru: Litho Laser, Metacolor

Poland: City Service, Topcan

Romania: Art Match, BigPrint

Russia: Arial, Fotolab, LIGO

Serbia: DPC, NS Plakat

Singapore: Film Screen, Siner Graphic

Slovakia: Bittner, Double P

Slovenia: V-Tisk

South Africa: Beith Digital, Bidvest,

Hirt&Carter, Prismaflex, ScreenLine,

Tali Digital

Spain: Fragma Espacios, Marc Marti,

MARGI, OEDIM

Sweden: Big Image, Brand Factory,

Gigantprint, Storbildsbolaget

Switzerland: Comro, Christinger

Taiwan: Forms Surface,

Gain How Printing,

Group Color Digital Image

Turkey: HKS Reklam

UK: Delta Display, Dominion,

Icon Print, Oasis Graphics,

Service Graphics

United Arab Emirates: Reprotronics

USA: Big Mountain Imaging, Brand

Imaging Group, Coloredge, Duggal

Visual Solutions, Ferrari Color,

Firehouse Image Center, Pictura,

Vision Integrated Graphics.

Textile Printing

Austria: Fahren Gartner, Typico

Belgium: Bioracer, Visix

Bulgaria: PNG

China: Huzhou Angye Digital Industry

France: Doublet, Duo Display,

ET Cernay, Faber France, Mediama,

Ranitex, TIL/Deveaux

Germany: Frankfurter Fahren,

Sachsen Fahren

Netherlands: Faber Exposee,

Van Straaten

Poland: Voigt Promotion

Romania: Rofobit

UK: Cestrian, Grafenia

Industrial Printing

Austria: Digital Art Floors, Kaindl

Bangladesh: Naf Group

Belgium: Wollux

France: Adhetec,

Euro PLV, GPS Packaging/

Cartonnages de Gascogne, TIL

Germany: DS-Smith, Villeroy & Boch

Hungary: DS-Smith

India: Vennar Ceramics

Indonesia: Platinum Ceramics,

Textile On Demande

Japan: Goto Iron Works, Toppan

Corea: Samyoung Industrial

Czech Republic: Solpap

Malaysia: Hans Printing & Packaging

New Zealand: Textiles Alive

Netherlands: Sorbo

Peru: Ceramics Kantu

Singapore: Sunway Woodcraft Construction,

Tangs, Vim Technology & System Engineering

Sweden: DS-Smith

USA: Ideon Packaging

UK: DS-Smith, Liquid Lens

Our awards

Caldera is an award-winning software solution recognized by industry professionals and magazines



Wide-Format Imaging Readers Choice Awards

Top product RIP software : 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2009, 2008

Top product workflow software : 2017, 2015, 2014, 2013

Top product color management software : 2014, 2010, 2009

Best overall product : 2010, 2009, 2008



Viscom

Best software award : 2013

Best innovative product software : 2012

Best innovative green product : 2012



Digital Printing & Imaging Association

Outstanding service award : 2013, 2012, 2011

Best Software Product of the Year : 2010, 2009, 2008, 2006, 2002



Image Reports

Angel Awards - RIP of the year : 2007



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