

# ValueJet 426UF

*ValueJet* | VJ-426UF



> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

**MUTOH**  
Belgium nv

| Built to Perform

# ValueJet 426UF

*ValueJet* | VJ-426UF

## Product Concept



- Compact desktop A3+ flatbed LED UV printer with integrated vacuum table
- 6 colours : C, M, Y, K, White & Varnish
- 0% VOC – Non-HAP – No outgassing of prints – No Mercury – No Lead
- Print on wide variety of materials and objects up to 70 mm thick
- Low energy consumption and low temperatures, ideal for heat sensitive materials
- Mutoh Intelligent Interweaving print technology (i<sup>2</sup>) - Dedicated “UV-weaving”

> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only



**MUTOH**  
Belgium nv

| Built to Perform

# ValueJet 426UF

*ValueJet* | VJ-426UF

LED UV Technology - Benefits

Advantage Category		Features
Application		<ul style="list-style-type: none"> <li>• Reduced temperatures → Allows printing onto heat sensitive substrates</li> <li>• Deep cure → Easier to achieve “through-curing”</li> <li>• Compact / small versus classic bulb lamps</li> <li>• Curing intensity is adaptable</li> <li>• Zero warming up time</li> <li>• Fast drying</li> <li>• Not vulnerable to vibrations</li> </ul>
Economy		<ul style="list-style-type: none"> <li>• Energy efficient</li> <li>• Long lifetime (Mutoh: 14.250 hours )</li> <li>• Low maintenance (no moving parts)</li> <li>• Low operating temperatures</li> </ul>


> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

# ValueJet 426UF

*ValueJet* | VJ-426UF

LED UV Technology - Benefits

Advantage Category		Features
Environment		<ul style="list-style-type: none"><li>• No Mercury</li><li>• No Lead</li><li>• No Ozone (O<sub>3</sub>) production</li><li>• Only UV-A radiation (safest part of the UV spectrum)</li><li>• No Infrared (Heat) from lamp</li><li>• Reduced fire/burn risk versus “classic” UV bulb</li><li>• Low energy consumption (75 Watt)</li><li>• Contributes to the workplace safety</li></ul>

> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

**MUTOH**  
Belgium nv

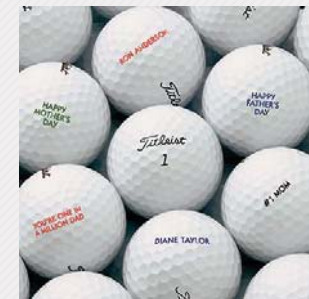
| Built to Perform

# ValueJet 426UF

ValueJet | VJ-426UF

## Application Possibilities

- Deliver exceptional print quality on a wide variety of solid materials and objects including ABS, Alu-board, PC, PE, PET, PMMA (acrylic), PP, PS, PVC and glass. \*
- Add gloss texture to your prints
- Produce ultra-sharp, high quality output specifically targeted at short run items or one-off designs of products and their prototypes, customised gadgets, packaging designs, souvenirs, awards, specialty industrial items, labels, decals, signs, etc..



\* : Ink adhesion will vary depending on substrate type and brand. Individual testing is required.

> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

**MUTOH**  
Belgium nv

| Built to Perform

# ValueJet 426UF

ValueJet | VJ-426UF

## Key Features



> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

# ValueJet 426UF

ValueJet | VJ-426UF

## Key Features

6 Colour Channels  
CMYK + White + Varnish

Integrated Vacuum Table



Table size : 483 mm x 329 mm (19" x 13")

Objects up to 70 mm (2,75")

> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

**MUTOH**  
Belgium nv

| Built to Perform

# ValueJet 426UF

Micro Piezo Print Head

*ValueJet* | VJ-426UF



## Drop on demand piezo print head

- New and latest gold plated piezo 8-channel head technology
- Wide drop mass range : 3.8 – 28.0 pl
- 8 lines x 180 nozzles

> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

**MUTOH**  
Belgium nv

| Built to Perform



# ValueJet 426UF

ValueJet | VJ-426UF

Advanced Print Automation

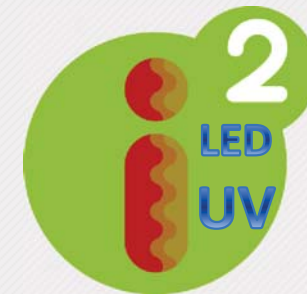
## Mutoh Intelligent Interweaving technology Inside

New dedicated print effects for Mutoh's LED-UV inks

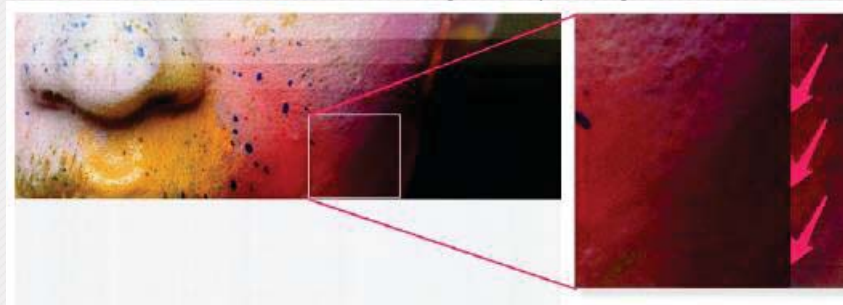
- ❖ "i-Weave UV 1", "i-Weave UV 2" & "i-Weave UV 3"

### Benefits :

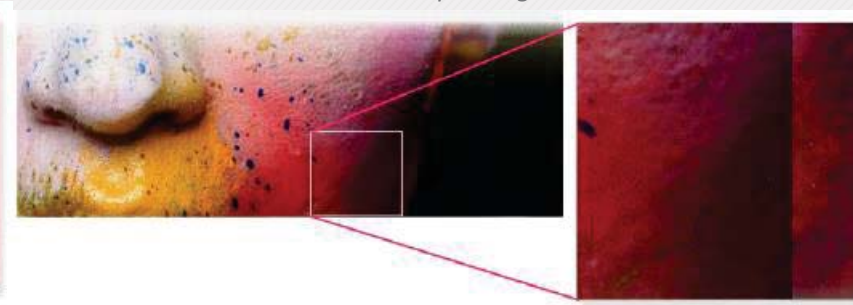
- Reduction of curing structure in the ink layer
- Gloss banding suppression



*Conventional straight line printing*



*i² printing*



> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

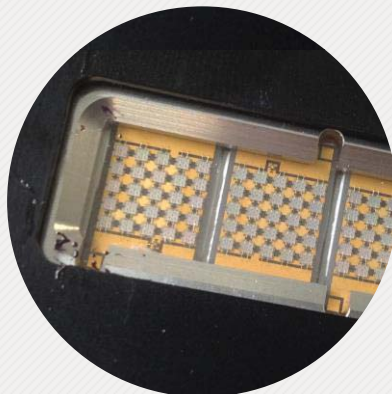
**MUTOH**  
Belgium nv

| Built to Perform

# ValueJet 426UF

ValueJet | VJ-426UF

## Basic Specifications



	VJ-426UF
Size Print Table	483 mm x 329 mm (19" x 12,95")
Max. Print Area	473 mm x 319 mm (18,62" x 12,55")
Max. Media Thickness	Up to 70 mm (2,75")
Max. Media Weight	4 kg
Ink Drying System	Long life LED UV curing lamp
LED UV Lamp Life	14.250 hours
Vacuum System	Standard integrated Electronically adjustable hold-down strength

> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

# Mutoh LED UV Inks

For VJ-426UF

*ValueJet* | VJ-426UF



- CMYK LED UV inks and optional white and varnish for luxurious or specialty finish
- State-of-the-art health & safety and environmental benefits: no ozone generation, free of mercury and lead
- Mutoh LED UV inks and varnish are completely VOC-free and do not contain any hazardous air pollutants (non-HAP)



> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

**MUTOH**  
Belgium nv

| Built to Perform

# Mutoh LED UV Inks

ValueJet | VJ-426UF

For VJ-426UF

Property	Mutoh LED-UV
Media Compatibility *	ABS, Alu-board, PC, PS, PET, PVC – PMMA (acrylic), PP, Glass
Colour Gamut	Similar to Eco-Ultra
VOC	C, M, Y, K, White and Varnish are 0% VOC
Health & Safety (dry)	Safe
Health & Safety (wet)	For service, as all UV inks → wear gloves, goggles, ...
Abrasion Dry	Better than (hard) solvent inks
Chemical Abrasion	Acetone, Water, IPA (alcohol), Gasoline, Detergent All better than solvent inks
Flash Point	High (No ADR goods for transport)
* : Require ink adhesion testing in function of the specific media brand, type and application.	



> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

**MUTOH**  
Belgium nv

| Built to Perform

# Mutoh LED UV Inks

ValueJet | VJ-426UF

For VJ-426UF

Colours	Volume	RRP
C, M, Y, K, White, Varnish	220 ml	70 €uro



## Average Ink Consumption

- 1,6 ml / table @ 720 x 720 dpi (CMYK mode)
- Coverage picture shown 67 %

## Ink Cost / m<sup>2</sup>

- LED UV - 220 ml : 0.51 € / table \*

\* : 1 table corresponds to 0,15 m<sup>2</sup>

> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

**MUTOH**  
Belgium nv

| Built to Perform

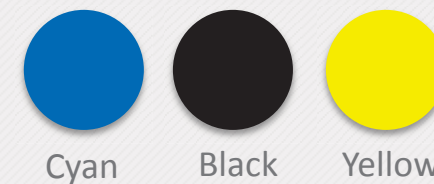
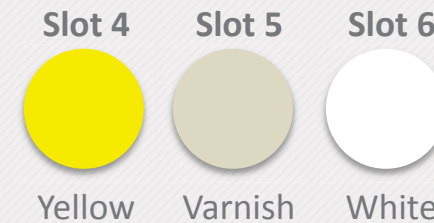
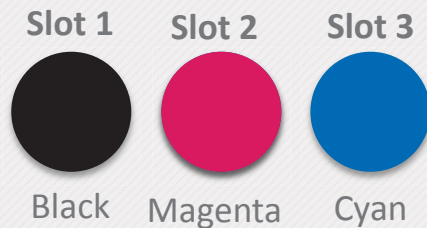
# ValueJet 426UF

*ValueJet* | VJ-426UF

## Ink Setup Possibilities

2 ink configuration possibilities:

- CMYK + White + Varnish (CMYK+Wh+Va)
- CMYK (CCMMYK)





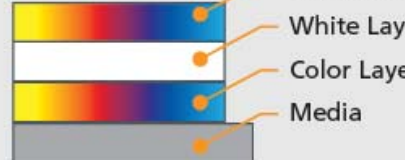

> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

# ValueJet 426UF

ValueJet | VJ-426UF

Possible Print Modes with White & Varnish

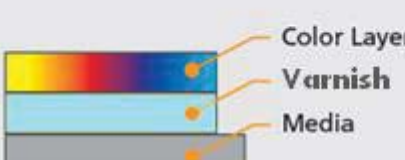
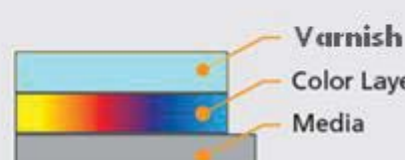
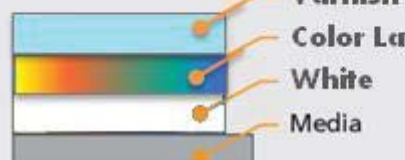
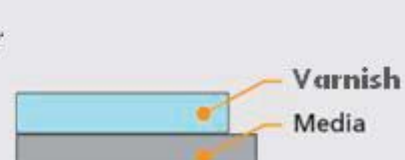
 <p>Color Layer White Layer Media</p> <p>● Under Lay Printing Method</p>	 <p>White Layer Color Layer Media</p> <p>● Over Lay Printing Method</p>	 <p>Color Layer White Layer Color Layer Media</p> <p>● 3 Layers Printing Method</p>	 <p>White Layer Media</p> <p>● White Only Printing Method</p>
---	---	--	--

for non-transparent and transparent media

for transparent media with mirror-wise printing on one side and viewing from reverse side

for transparent media with image and double viewing side (front and back) for non-white media

for non-transparent and transparent media

 <p>Color Layer Varnish Media</p> <p>● Under Lay Printing Method</p>	 <p>Varnish Color Layer Media</p> <p>● Over Lay Printing Method</p>	 <p>Varnish Color Layer White Media</p> <p>● 3 Layers Printing Method</p>	 <p>Varnish Media</p> <p>● Varnish Only Printing Method</p>
---	---	--	--

> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

# ValueJet 426UF

ValueJet | VJ-426UF

Performance

Speed in tables per hour (excl. unloading / loading time) \*

	4-colour	6-colour		
	CMYK	CMYK only	White only	Layer Print **
1440 x 1440 uni	6	2	6	1
720 x 1440 uni	13	6	13	3
720 x 1080 bi	28	14	28	7

\* : 1 table corresponds to 0,15 m<sup>2</sup>

\*\* : CMYK + White + Varnish

> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

**MUTOH**  
Belgium nv

| Built to Perform



# ValueJet 426UF

**ValueJet** | VJ-426UF

## Performance

For reference : speed in m<sup>2</sup>/h (excl. unloading / loading time)

	4-colour	6-colour		
	CMYK	CMYK only	White only	Layer Print *
1440 x 1440 uni	0.92 m <sup>2</sup> /h	0.38 m <sup>2</sup> /h	0.92 m <sup>2</sup> /h	0.26 m <sup>2</sup> /h
720 x 1440 uni	1.98 m <sup>2</sup> /h	0.90 m <sup>2</sup> /h	1.98 m <sup>2</sup> /h	0.53 m <sup>2</sup> /h
720 x 1080 bi	4.29 m <sup>2</sup> /h	2.18 m <sup>2</sup> /h	4.29 m <sup>2</sup> /h	1.11 m <sup>2</sup> /h

\* : CMYK + White + Varnish

> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

**MUTOH**  
Belgium nv

| Built to Perform

# ValueJet 426UF

ValueJet | VJ-426UF

Standard Unit Configuration



- ValueJet 426UF A3+ Desktop LED UV Printer – 6 channels
  - Max. media size : 483 mm x 329 mm
  - Max. print size : 473 mm x 319 mm
- + standard vacuum table
- + 6 x cleaning cassettes for initial wash
- Mutoh printer installer & driver software for Windows XP, Vista, 7, 8, 8.1
- Head gap guide bar
- *Inks & software to be ordered separately*

RRP in €uro

16.995 €uro

> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

**MUTOH**  
Belgium nv

| Built to Perform

# ValueJet 426UF

*ValueJet* | VJ-426UF

## Order Information



Order N°	Description	RRP in €uro
VJ-426UF	ValueJet 426UF A3+ Desktop LED UV Printer	16.995 €uro
VJ-LUH1-xx220E	220 ml LED UV ink cassette (C, M, Y, K, White, Varnish)	70 €uro
VJ-LUH1-CL220E	220 ml cleaning cassette for initial start-up or washing	63 €uro

> Specialty & Industrial

© MUTOH Belgium nv - 15/5/2014 - For Mutoh Authorised Resellers Only

**MUTOH**  
Belgium nv

| Built to Perform