

U-Motion II™



One-for-All Coupling

U-Motion II Acetabular System allows orthopedic surgeons to select an optimal couple for demanded patient populations without compromise.



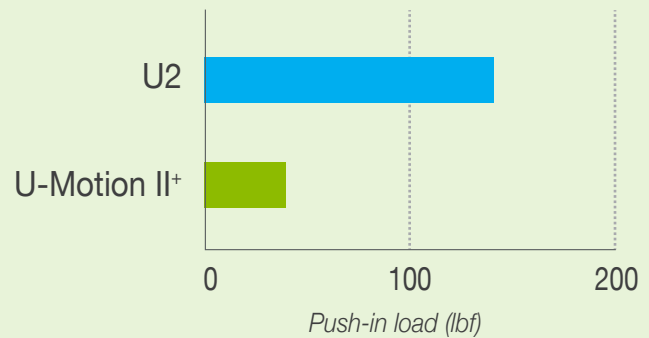
Various bearing couples



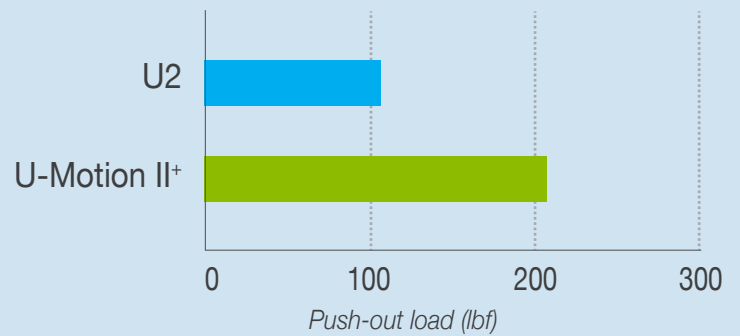
Simple Setting of Liner-Cup Assembly



Easy snap-in insertion



Adequate locking strength





















Data from U-Motion II+ testing report, UOC-RD-TR-12032



Advanced Acetabular System

Small cup of O.D. 56 mm accommodated with largest bearing as 40 mm diameter provides enhanced joint stability, increased ROM and lowered risk of dislocation.

Comparison between acetabular couple catalogs with ceramic-on-ceramic bearing (BIOLOX[®]-delta ceramic)

Cup Size (mm)	Biomet	Depuy	S&N	Zimmer	UOC
	Exceed ABT	Pinnacle	R3	Continuum	U-Motion II
 48	 28	 32	 32	 32	 32
 52	 32	 36	 36	 36	 36
 56	 36	 36	 36	 40	 40

- Exceed ABT operative technique, Biomet
- Pinnacle wall chart, Depuy
- R3 surgical technique, Smith&Nephew
- Continuum surgical technique, Zimmer



Optimized Head-to-Cup Ratio Provides Excellent ROM

Larger head combined with 12/14 UTF taper stem system, allowing satisfied flexion range and eliminating impingement.



Wider Range of Motion



High Screw Angulation

Improving surgical flexibility without compromising cup fixation.¹

Screw angulation



No-hole



Ti Plasma spray

Cluster-hole



HA/Ti Plasma spray

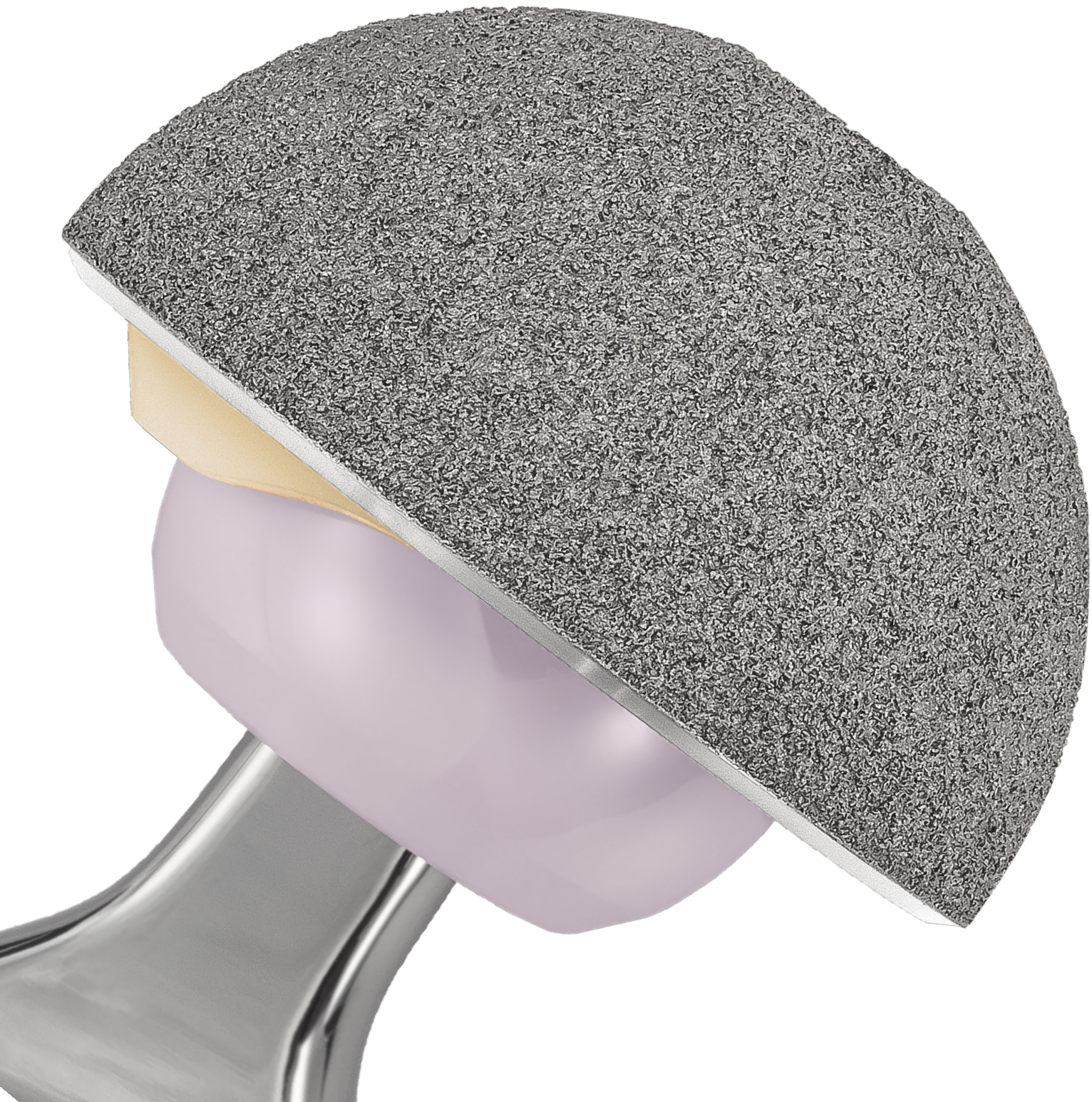
Multi-hole



Ti Plasma spray



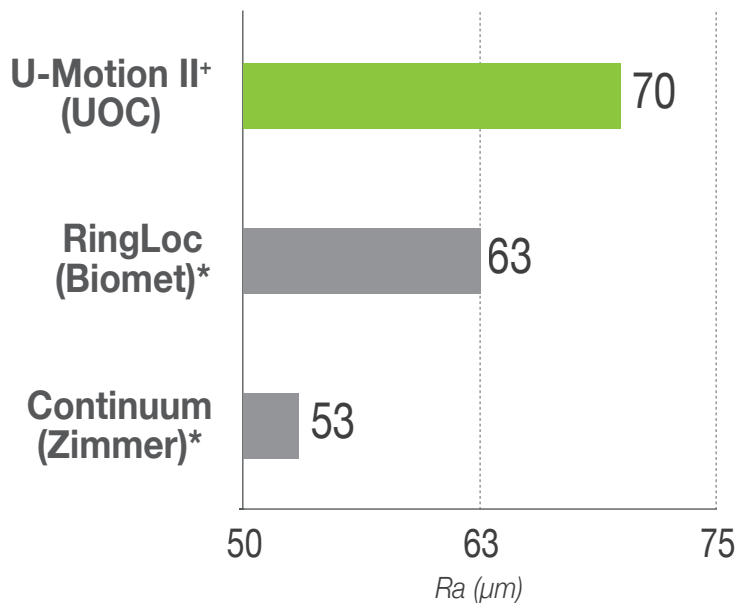
HA/Ti Plasma spray



TPS Plus™ Surface Coating

U-Motion II+ Acetabular System utilizes the new Ti plasma spray plus (TPS Plus) coating technology to achieve a greater surface roughness (Ra).

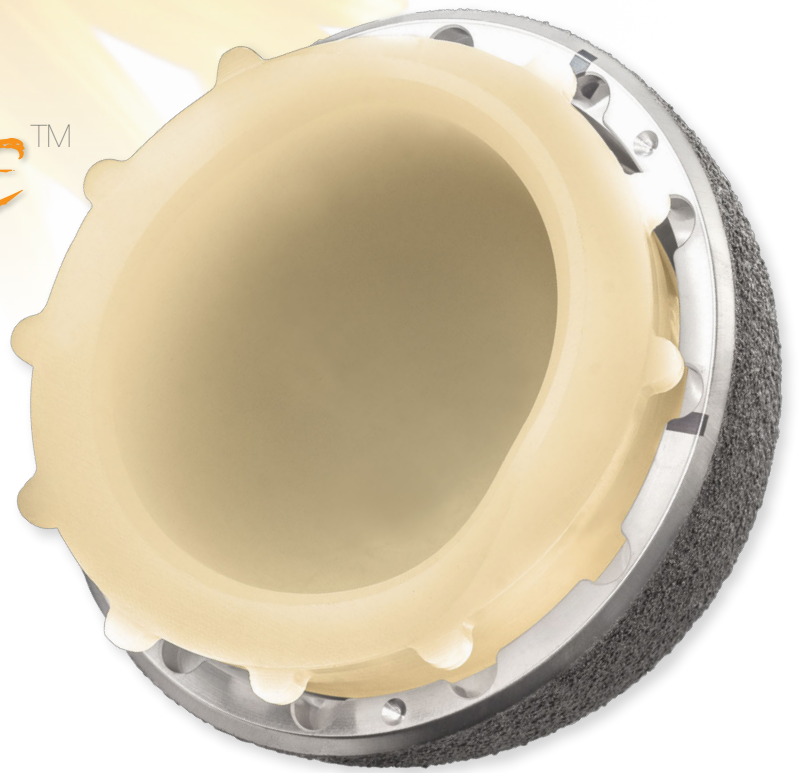
The rough surface of implant provides scratch fit for initial stability and has been shown to reduce micromotion², both effects contribute to long term fixation of the implant^{2,3}.



Increase Surface Roughness

*Data from RingLoc brochure. File at www.biomet.com

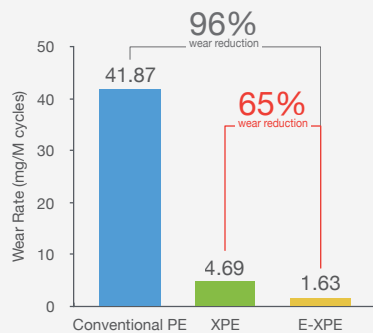
*E-Xpe*TM



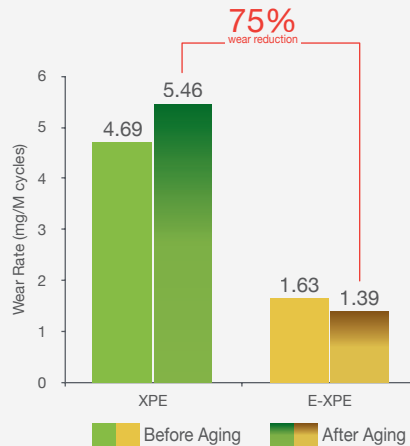
Improvement in Material Technology

United E-XPE™ technology addresses long term implant survival by improving wear resistance, oxidative stability and mechanical strength altogether.

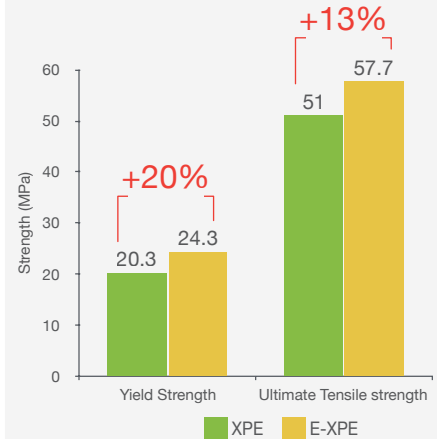
Wear Resistance



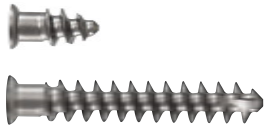
Oxidative Stability



Mechanical Strength



Order information



Ti Cancellous Screw, Ø 6.5 mm	
Cat. No.	Length
5206-1015	15 mm
5206-1020	20 mm
5206-1025	25 mm
5206-1030	30 mm
5206-1035	35 mm
5206-1040	40 mm
5206-1045	45 mm
5206-1050	50 mm



Screw Hole Covers

Cat. No.	1306-1001
----------	-----------

Screw hole covers are pre-assembled with multi-hole cup.

Cup Size (mm)	Cluster-Hole Cup				No-Hole Cup		Multi-Hole Cup	
	TPS Plus	Ti Plasma	HA/TPS Plus	HA/Ti Plasma	TPS Plus	Ti Plasma	HA/TPS Plus	HA/Ti Plasma
Ø 44	1306-3144	1306-3044	1306-1144	1306-1044	1306-3344	1306-3244	1306-1544	1306-1444
Ø 46	1306-3146	1306-3046	1306-1146	1306-1046	1306-3346	1306-3246	1306-1546	1306-1446
Ø 46	1306-3147	1306-3047	1306-1147	1306-1047	1306-3347	1306-3247	1306-1547	1306-1447
Ø 48	1306-3148	1306-3048	1306-1148	1306-1048	1306-3348	1306-3248	1306-1548	1306-1448
Ø 50	1306-3150	1306-3050	1306-1150	1306-1050	1306-3350	1306-3250	1306-1550	1306-1450
Ø 50	1306-3151	1306-3051	1306-1151	1306-1051	1306-3351	1306-3251	1306-1551	1306-1451
Ø 52	1306-3152	1306-3052	1306-1152	1306-1052	1306-3352	1306-3252	1306-1552	1306-1452
Ø 54	1306-3154	1306-3054	1306-1154	1306-1054	1306-3354	1306-3254	1306-1554	1306-1454
Ø 56	1306-3156	1306-3056	1306-1156	1306-1056	1306-3356	1306-3256	1306-1556	1306-1456
Ø 58	1306-3158	1306-3058	1306-1158	1306-1058	1306-3358	1306-3258	1306-1558	1306-1458
Ø 60	1306-3160	1306-3060	1306-1160	1306-1060	1306-3360	1306-3260	1306-1560	1306-1460
Ø 62	1306-3162	1306-3062	1306-1162	1306-1062	1306-3362	1306-3262	1306-1562	1306-1462
Ø 64	1306-3164	1306-3064	1306-1164	1306-1064	1306-3364	1306-3264	1306-1564	1306-1464
Ø 66	1306-3166	1306-3066	1306-1166	1306-1066	1306-3366	1306-3266	1306-1566	1306-1466
Ø 68	1306-3168	1306-3068	1306-1168	1306-1068	1306-3368	1306-3268	1306-1568	1306-1468
Ø 70	1306-3170	1306-3070	1306-1170	1306-1070	1306-3370	1306-3270	1306-1570	1306-1470



XPE Liner		E-XPE Liner		Head
Standard	20° lipped	Standard	20° lipped	CoCrMo
1406-3844	1406-5844	1406-7144	1406-7544	1206-1028 - 3 28 mm 1206-1128 + 0 28 mm 1206-1228 + 2.5 28 mm 1206-1428 + 5 28 mm 1206-1628 + 7.5 28 mm 1206-1828 + 10 28 mm
1406-3846	1406-5846	1406-7146	1406-7546	
1406-3247	1406-5247	1406-7247	1406-7647	1206-1032 - 3 32 mm 1206-1132 + 0 32 mm 1206-1232 + 2.5 32 mm 1206-1432 + 5 32 mm 1206-1632 + 7.5 32 mm 1206-1832 + 10 32 mm
1406-3248	1406-5248	1406-7248	1406-7648	
1406-3250	1406-5250	1406-7250	1406-7650	
1406-3651	1406-5651	1406-7351	1406-7751	
1406-3652	1406-5652	1406-7352	1406-7752	1206-1036 - 3 36 mm
1406-3654	1406-5654	1406-7354	1406-7754	
1406-3656	1406-5656	1406-7356	1406-7756	1206-1136 + 0 36 mm
1406-3658	1406-5658	1406-7358	1406-7758	1206-1236 + 2.5 36 mm
1406-3660	1406-5660	1406-7360	1406-7760	
1406-3662	1406-5662	1406-7362	1406-7762	1206-1436 + 5 36 mm
1406-3664	1406-5664	1406-7364	1406-7764	1206-1636 + 7.5 36 mm
1406-3666	1406-5666	1406-7366	1406-7766	
1406-3668	1406-5668	1406-7368	1406-7768	1206-1836 + 10 36 mm
1406-3670	1406-5670	1406-7370	1406-7770	

Special Order Items



Cup Size (mm)	XPE Liner		E-XPE Liner		delta Ceramic	
	Standard	20° lipped	Standard	20° lipped	Liner	Head
Ø 44	1406-3844	1406-5844	1406-7144	1406-7544	1406-1844	1203-5028 - 2.5 28 mm
Ø 46	1406-3846	1406-5846	1406-7146	1406-7546		1203-5228 + 1 28 mm
						1203-5428 + 4 28 mm
Ø 46	1406-3247	1406-5247	1406-7247	1406-7647	1406-1247	1203-5032 - 3 32 mm
Ø 48	1406-3248	1406-5248	1406-7248	1406-7648	1406-1248	1203-5232 + 1 32 mm
Ø 50	1406-3250	1406-5250	1406-7250	1406-7650		1203-5432 + 5 32 mm
						1203-5632 + 8 32 mm
Ø 50	1406-3651	1406-5651	1406-7351	1406-7751	1406-1651	1203-5036 - 3 36 mm
Ø 52	1406-3652	1406-5652	1406-7352	1406-7752	1406-1652	1203-5236 + 1 36 mm
Ø 54	1406-3654	1406-5654	1406-7354	1406-7754		1203-5436 + 5 36 mm
						1203-5636 + 9 36 mm
Ø 56	1406-3056	1406-5056	1406-7456	1406-7856	1406-1056	1203-5040 - 3 40 mm
Ø 58	1406-3058	1406-5058	1406-7458	1406-7858		1203-5240 + 1 40 mm
Ø 60	1406-3060	1406-5060	1406-7460	1406-7860		
Ø 62	1406-3062	1406-5062	1406-7462	1406-7862		
Ø 64	1406-3064	1406-5064	1406-7464	1406-7864	1406-1064	1203-5440 + 5 40 mm
Ø 66	1406-3066	1406-5066	1406-7466	1406-7866		
Ø 68	1406-3068	1406-5068	1406-7468	1406-7868		
Ø 70	1406-3070	1406-5070	1406-7470	1406-7870		1203-5640 + 9 40 mm

*BIOLOX® delta is the registry trademark of Ceramtec AG.



Each Step
We Care

References

1. Hsu JT et al. Effects of screw eccentricity on the initial stability of the acetabular cup. Int Orthop. 2007; 31: 451-55.
2. Jasty M et al. In vivo skeletal responses to porous-surfaced implants subjected to small induced motions. J Bone Joint Surg Am. 1997 May;79(5):707-14.
3. Feighan JE et al. The influence of surface-blasting on the incorporation of titanium-alloy implants in a rabbit intramedullary model. J Bone Joint Surg Am. 1995 Sep;77(9):1380-95.



Each Step **We Care**



www.uoc.com.tw

Contact Us

■ Taiwan - United Orthopedic Corporation

12F, No. 80, Sec. 1, Chenggong Rd, Yonghe Dist.,
New Taipei City 23452, Taiwan
Tel: +886 2 2929 4567 Fax: +886 2 2922 4567

■ Japan - United Biomech Japan Inc.

Ginyo Bldg 5th floor, 2-9-40 Kitasaiwai, Nishi-Ku
Yokohama City, Kanagawa, 220-0004, Japan
Tel: +81 45 620 0741 Fax: +81 45 620 0742

■ USA - UOC USA Inc.

20 Fairbanks, Suite 173, Irvine, CA 92618
Tel: +1 949 328 3366 Fax: +1 949 328 3367

■ China - United Medical Instrument Co. Ltd.

Room 402, Building 7, No.697, Ling Shi Road,
Shanghai, China, 200072
Tel: +86 21 3661 8055 Fax: +86 21 6628 3031

■ EU Representative

mdi Europa GmbH
Langenhagener Strasse 71,
30855 Langenhagen, Germany
Tel: +49 511 3908 9530 Fax: +49 511 3908 9539

■ Europe

UOC (Suisse) SA

Avenue Général Guisan 60A, 1009 Pully, Switzerland
Tel: +41 21 634 70 70 Fax: +41 21 634 70 76

UOC (France) SAS

7 Allée des Peupliers, 54180 Houdemont, France
Tel: +33 3 83 23 39 72 Fax: +33 3 83 23 39 10

UOC (UK) Limited

Baileys Barn, Pimlico Farm, Austrey Lane,
No Mans Heath, Warwickshire, B79 0PF, UK
Tel: +44 1827 214773