VERDENT DIGITAL

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VERDENT LTD

VERDENT has been the only Polish manufacturer of dental and laboratory burs since 2004. We have been constantly widening our product range in order to adjust to customers' needs and expand into the global market. Our close observation of trends and changes allows us to deliver you with world-class quality products. In our offer you can find: diamond burs, carbide burs – rounds, finishers, crown cutters, endodontic and surgical burs, as well as the full range of rotating laboratory and CAD/CAM tools.

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The VERDENT DIGITAL series offers nowadays four lines of burs for the processing of prosthetic materials in CNC machines of the most popular manufacturers of the CAD/CAM sphere. They complement the comprehensive offer of VERDENT as a manufacturer of rotating dental and prosthetic tools. The VERDENT DIGITAL series includes instruments made of high-quality materials – fine-grained tungsten carbides and state-of-the-art coatings – allowing for long, precise work.

VERDENT PURE LINE (V-PURE)

In the production of this V-PURE base line of instruments we use tungsten carbide from renowned German and Swiss manufacturers, which guarantees high quality and durability. The instruments are mainly used for the processing of PMMA, PEEK and wax, their properties also allow for the processing of ZrO and ZrO2.

VERDENT DLC DIAMOND LINE (V-DIA)

The black V-DIA coating applied with the Diamond Like Carbon Physical Vapour Deposition (DLC PVD) technology protects the tools by giving them effective blade protection. The tools are particularly suitable for the processing of all types of zirconium, and with other prosthetic materials, the V-DIA coating significantly increases the life of the instruments.

VERDENT AMBER PVD COATING LINE (V-AMB)

The amber-gold coating applied with the High-Power Impulse Magnetron Sputtering (HiPIMS) technology allows for effective operation at high temperatures without losing the cutting properties of the tools and proper discharge of the spoil. V-AMB coated cutters are designed for machining chrome, cobalt, titanium and metal alloys.

VERDENT TRUE CVD DIAMOND LINE (T-DIA)

Graphite-gray nanocoating of the T-DIA line, based on a real diamond, is applied using the Chemical Vapour Deposition (CVD) technology. Its results are multifunctional tools that offer the highest level of effective work combined with precision of execution. The tools are the best choice for processing all types of zirconia.

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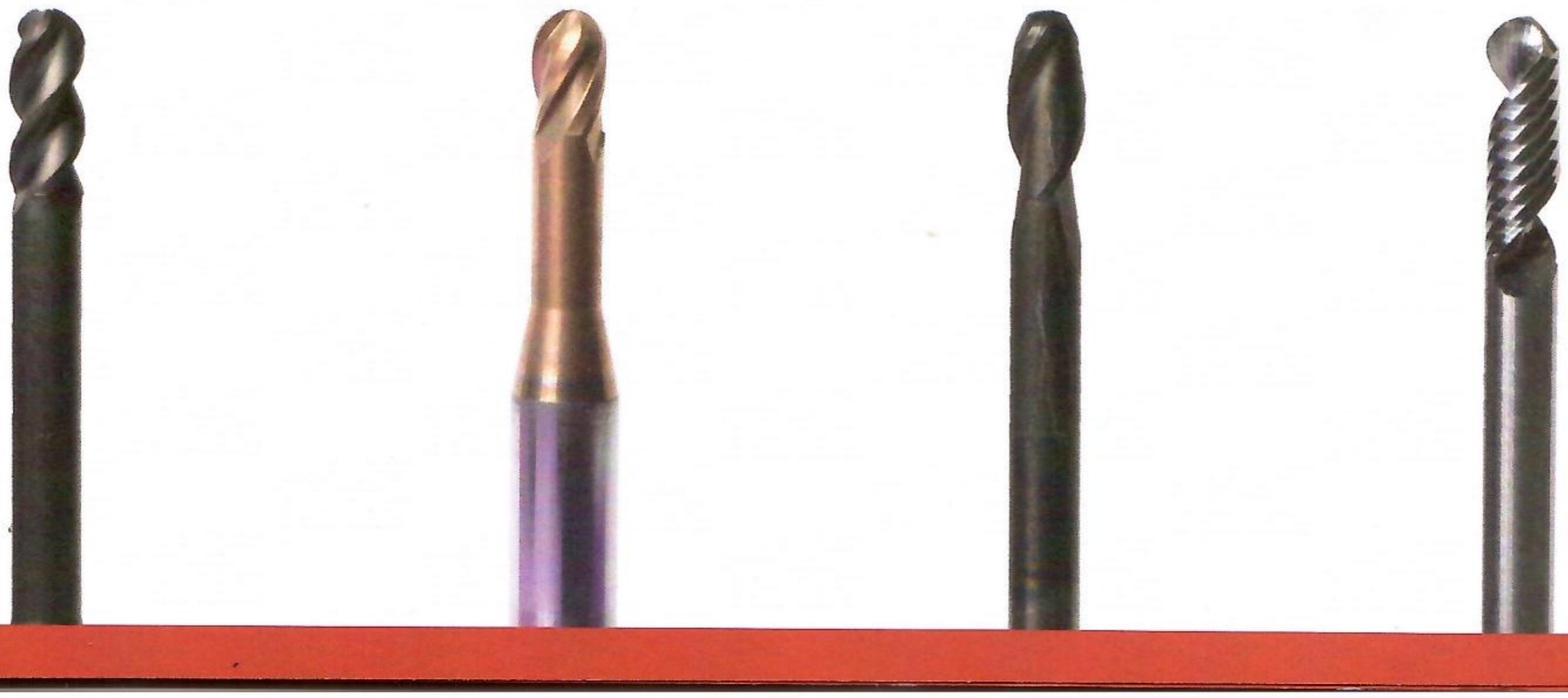
PRODUCT LINES/COATING

V-PURE
base line milling instruments produced on fine grain Swiss carbide to be used for processin of PMMA, PEEK and wax

T-DIA
multifunctional milling instruments with CVD coating based on a real diamond offering the highest level of effective work on all types of zirconia

V-AMB
milling instruments with amber-gold coating applied with the HIPIMS technology designed for machining chrome, cobalt and titanium

V-DIA
each instrument can be offered with black DLC coating which allows longer life of PMMA/PEEK/wax instruments and more economical price of zirconia instruments



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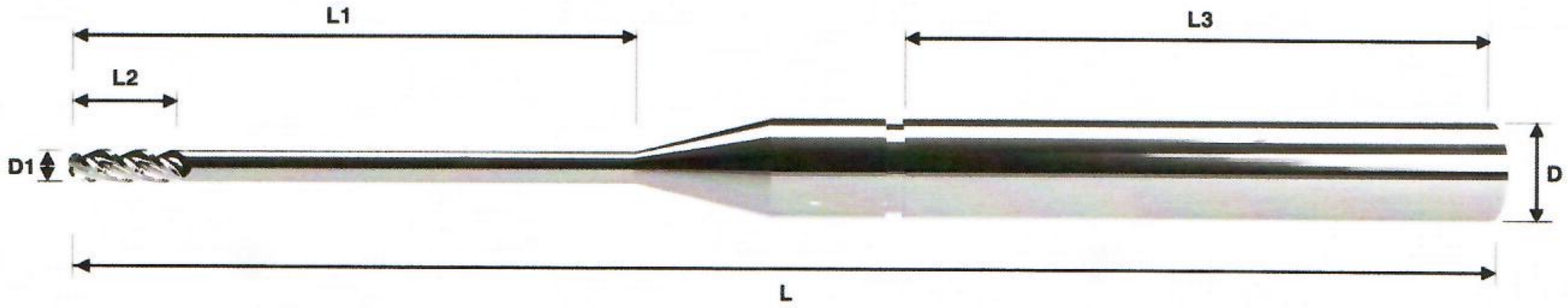

For AMANN GIRRBACH™ 3 mm shank

(Ceramill Mikro 4X,5X,Motion2)

ORDERING NUMBER /MATERIAL/	SHANK DIAMETER D = /MM/	HEAD DIAMETER D1 = /MM/	OVERALL LENGTH L = /MM/	LENGTH OF THE NECK L1 = /MM/	LENGTH OF THE CUT L2 = /MM/	NUMBER OF FLUTES	RING * Y/N L3 = /MM/	PRODUCT LINE	REFERENCE NUMBER
CC3AM.02 /PMMA/	3	0,6	47	12	2	2	Y 20	V-PURE	CC347.0612.0205.AM02
CC3AM.04 /PMMA/	3	1	47	17	4	1	Y 20	V-PURE	CC347.1017.0405.AM04
CC3AM.06 /PMMA/	3	2,5	47	18	6	1	Y 20	V-PURE	CC347.2518.0605.AM06
CC3AM.32 /ZIRKONIA/	3	0,6	47	12	2	2	Y 20	T-DIA	CC347.0612.0275.AM32
CC3AM.35 /ZIRKONIA/	3	1	47	17	4	3	Y 20	T-DIA	CC347.1017.0475.AM35
CC3AM.37 /ZIRKONIA/	3	2,5	47	18	6	3	Y 20	T-DIA	CC347.2518.0675.AM37

*- steel Amann Girrbach ring

For IMES-ICORE™ - 3 mm shank

(Coritec One, 140i, 245i, 250i)

ORDERING NUMBER /MATERIAL/	SHANK DIAMETER D = /MM/	HEAD DIAMETER D1 = /MM/	OVERALL LENGTH L = /MM/	LENGTH OF THE NECK L1 = /MM/	LENGTH OF THE CUT L2 = /MM/	NUMBER OF FLUTES	RING * Y/N L3 = /MM/	PRODUCT LINE	REFERENCE NUMBER
CC3IM.02 /PMMA/	3	0,6	48	12	2	2 ball nose	Y[1] 17	V-PURE	CC348.0612.0201.IM02
CC3IM.04 /PMMA/	3	1	48	17	4	1	Y[1] 17	V-PURE	CC348.1017.0401.IM04
CC3IM.06 /PMMA/	3	2,5	48	20	6	1	Y[1] 17	V-PURE	CC348.2520.0601.IM06
CC3IM.33 /ZIRKONIA/	3	0,6	48	12	2	2 ball nose	Y[1] 17	T-DIA	CC348.0612.0271.IM33
CC3IM.34 /ZIRKONIA/	3	1	48	17	4	3 ball nose	Y[1] 17	T-DIA	CC348.1017.0471.IM34
CC3IM.37 /ZIRKONIA/	3	2,5	48	20	6	3 ball nose	Y[1] 17	T-DIA	CC348.2520.0671.IM37

* - plastic standard ring

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For IMES-ICORE™ 6 mm shank
(Coritec 350i, 450i, 550i, 650i)

ORDERING NUMBER /MATERIAL/	SHANK DIAMETER D = /MM/	HEAD DIAMETER D1 = /MM/	OVERALL LENGTH L = /MM/	LENGTH OF THE NECK L1 = /MM/	LENGTH OF THE CUT L2 = /MM/	NUMBER OF FLUTES	RING * Y/N L3 = /MM/	PRODUCT LINE	REFERENCE NUMBER
CC6IM.01 /PMMA/	6	0,6	53	8	3	1	Y² 16,5	V-PURE	CC653.0608.0308.IM01
CC6IM.02 /PMMA/	6	1	53	14	5	1	Y² 16,5	V-PURE	CC653.1014.0508.IM02
CC6IM.05 /PMMA/	6	2,5	53	20	8	1	Y² 16,5	V-PURE	CC653.2520.0808.IM05
CC6IM.32 /ZIRKONIA/	6	0,6	53	8	2	2	Y² 16,5	T-DIA	CC653.0608.0478.IM31
CC6IM.32 /ZIRKONIA/	6	1	53	14	4	3	Y² 16,5	T-DIA	CC653.1014.0478.IM32
CC6IM.35 /ZIRKONIA/	6	2,5	53	20	8	2	Y² 16,5	T-DIA	CC653.2520.0878.IM35
CC6IM.36 /ZIRKONIA/	6	2,5	53	20	8	3	Y² 16,5	T-DIA	CC653.2520.0878.IM36

* – brass ring

For ROLAND™ 4 mm shank
(DWX-30, DWX-50, DWX-51D, DWX-52D, DWX-52DC)

ORDERING NUMBER /MATERIAL/	SHANK DIAMETER D = /MM/	HEAD DIAMETER D1 = /MM/	OVERALL LENGTH L = /MM/	LENGTH OF THE NECK L1 = /MM/	LENGTH OF THE CUT L2 = /MM/	NUMBER OF FLUTES	RING * Y/N L3 = /MM/	PRODUCT LINE	REFERENCE NUMBER
CC4RL.01 /PMMA/	4	0,6	50	9	2	2	N	V-PURE	CC450.0609.0200.RL01
CC4RL.02 /PMMA/	4	1	50	16	4	1	N	V-PURE	CC450.1016.0400.RL02
CC4RL.05 /PMMA/	4	2	50	20	6	1	N	V-PURE	CC450.2020.0600.RL05
CC4RL.06 /PMMA/	4	2,5	50	20	6	1	N	V-PURE	CC450.2520.0600.RL06
CC4RL.31 /ZIRKONIA/	4	0,6	50	9	2	2	N	T-DIA	CC450.0609.0270.RL31
CC4RL.33 /ZIRKONIA/	4	1	50	16	4	3	N	T-DIA	CC450.1016.0470.RL33
CC4RL.35 /ZIRKONIA/	4	2	50	16	7	2	N	T-DIA	CC450.2016.0770.RL35
CC4RL.36 /ZIRKONIA/	4	2	50	20	6	3	N	T-DIA	CC450.2020.0670.RL36

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For ROLAND™ 3 mm shank

(Z4, N4, K3, K4 – 35 mm), (S1, S2, K5 – 40 mm)

ORDERING NUMBER /MATERIAL/	SHANK DIAMETER D = /MM/	HEAD DIAMETER D1 = /MM/	OVERALL LENGTH L = /MM/	LENGTH OF THE NECK L1 = /MM/	LENGTH OF THE CUT L2 = /MM/	NUMBER OF FLUTES	RING * Y/N L3 = /MM/	PRODUCT LINE	REFERENCE NUMBER
CC3RL.26 /METAL/	3	1	34	8	4	4	T	V-AMB	CC334.1008.0483.RL26
CC3RL.28 /METAL/	3	2	34	8	4	4	T	V-AMB	CC334.2008.0483.RL28
CC3RL.29 /METAL/	3	3	34	00	5	4	T	V-AMB	CC334.3000.0583.RL29

*-plastic Roland ring

For VHF™ 3 mm shank

(Z4, N4, K3, K4 – 35 mm), (S1, S2, K5 – 40 mm)

ORDERING NUMBER /MATERIAL/	SHANK DIAMETER D = /MM/	HEAD DIAMETER D1 = /MM/	OVERALL LENGTH L = /MM/	LENGTH OF THE NECK L1 = /MM/	LENGTH OF THE CUT L2 = /MM/	NUMBER OF FLUTES	RING * Y/N L3 = /MM/	PRODUCT LINE	REFERENCE NUMBER
CC3VH.01 /PMMA/	t	0,6	35	10	2	2	Y 11	V-PURE	CC335.0610.0206.VH01
CC3VH.02 /PMMA/	3	0,6	40	10	2	2	Y 14	V-PURE	CC340.0610.0206.VH02
CC3VH.03 /PMMA/	3	1	35	16	5	1	Y 11	V-PURE	CC335.1016.0506.VH03
CC3VH.04 /PMMA/	3	1	40	16	5	1	Y 14	V-PURE	CC340.1016.0506.VH04
CC3VH.05 /PMMA/	3	2	35	16	8	1	Y 11	V-PURE	CC335.2016.0806.VH05
CC3VH.06 /PMMA/	3	2	40	16	8	1	Y² 14	V-PURE	CC340.2016.0806.VH06
CC3VH.31 /ZIRKONIA/	3	0,6	35	10	2	2	Y 11	T-DIA	CC335.0610.0276.VH31
CC3VH.32 /ZIRKONIA	3	0,6	40	10	2	2	Y 14	T-DIA	CC340.0610.0276.VH32
CC3VH.33 /ZIRKONIA/	3	1	35	16	5	3	² 11	T-DIA	CC335.1016.0576.VH33
CC3VH.34 /ZIRKONIA/	3	1	40	16	5	3	Y 14	T-DIA	CC340.1016.0576.VH34
CC3VH.35 /ZIRKONIA/	3	2	35	16	5	3	Y 11	T-DIA	CC335.2016.0576.VH35
CC3VH.36 /ZIRKONIA/	3	2	40	16	5	3	Y 14	T-DIA	CC340.2016.0576.VH36

*- steel spacer ring

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For WIELAND™ 3 mm shank

(Zenotec Select 40 mm) (Zenotec Mini 35 mm)

ORDERING NUMBER /MATERIAL/	SHANK DIAMETER D = /MM/	HEAD DIAMETER D1 = /MM/	OVERALL LENGTH L = /MM/	LENGTH OF THE NECK L1 = /MM/	LENGTH OF THE CUT L2 = /MM/	NUMBER OF FLUTES	RING * Y/N L3 = /MM/	PRODUCT LINE	REFERENCE NUMBER
CC3WL.01 /PMMA/	3	0,6	35	10	2	2	Y 11	V-PURE	CC335.0610.0206.WL01
CC3WL.02 /PMMA/	3	0,6	40	10	2	2	Y 14	V-PURE	CC340.0610.0206.WL02
CC3WL.03 /PMMA/	3	1	35	16	5	1	Y 11	V-PURE	CC335.1016.0506.WL03
CC3WL.04 /PMMA/	3	1	40	16	5	1	Y 14	V-PURE	CC340.1016.0506.WL04
CC3WL.07 /PMMA/	3	2,5	35	16	8	1	Y 11	V-PURE	CC335.2520.0806.WL07
CC3WL.08 /PMMA/	3	2,5	40	16	8	1	Y² 14	V-PURE	CC340.2520.0806.WL08
CC3WL.31 /ZIRKONIA/	3	0,6	35	10	2	2	Y 11	T-DIA	CC335.0610.0276.WL31
CC3WL.32 /ZIRKONIA/	3	0,6	40	10	2	2	Y 14	T-DIA	CC340.0610.0276.WL32
CC3WL.33 /ZIRKONIA/	3	1	35	16	5	3	² 11	T-DIA	CC335.1016.0576.WL33
CC3WL.34 /ZIRKONIA/	3	1	40	16	5	3	Y 14	T-DIA	CC340.1016.0576.WL34
CC3WL.37 /ZIRKONIA/	3	2,5	35	16	5	3	Y 11	T-DIA	CC335.2520.0576.WL37
CC3WL.38 /ZIRKONIA/	3	2,5	40	16	5	3	Y 14	T-DIA	CCC340.2520.0576.WL38

*- steel spacer ring