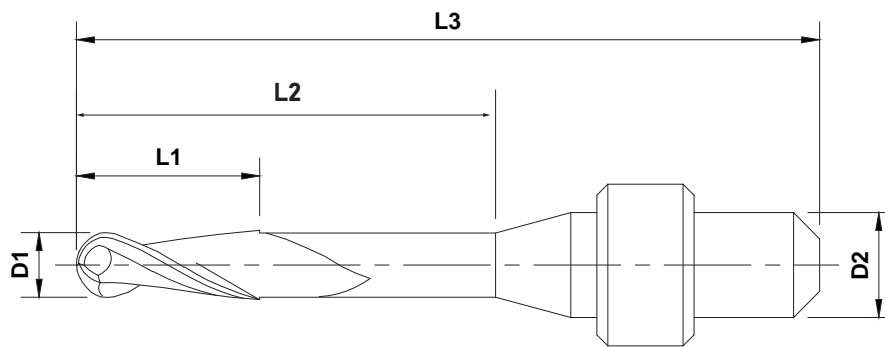


ZONEFLY Dental CAD CAM Milling Bur CVD Real Diamond Coating Outstanding milling bur life for machining Zirconia



Chemical Vapour Deposition

Chemical vapour deposition (CVD) is an established technology for coating a wide range of metal cutting tools, including drills, hacksaws, band saws, razor blades and inserts. In some cases, CVD can increase the life of a cutting tool by as much as 20 times the life of an uncoated tool. In addition the cutting efficiency, cutting speeds and the quality of cutting of the workpiece are significantly improved by surface engineering. The technology can be used to deposit a wide variety of coatings such as TiN, TiAlN, multilayers, graded coatings and novel new nanocomposite coatings, for a broad range of applications. Yet in one area there has been little CVD work carried out - the surface treatment of biomedical implants and dental tools such as burs, orthodontic pliers and tweezers, all of which can benefit in terms of quality, safety and cost from the application of a CVD coating.

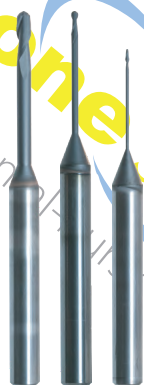
Advantages of CVD

However, CVD is likely to be the future choice for surface coating of dental burs. The major advantage of CVD over the other surface engineering techniques is its ability to coat, uniformly, complex components such as dental burs, dental drills, pliers and tweezers. Additionally, it is possible to apply continuous layers of coatings onto the substrate material, and so make the tool last longer. Another benefit is that CVD coatings can be applied economically and on a large scale with minimal cost towards the equipment used.



ARUM - Axsys

ARUM - Axsys VersaMill 5X, 5X-200 & 4X-100



Order Code	D1	L1	L2	L3	D2
AA406	0.6	1.5	10	45	4
AA410	1.0	3.5	16	50	4
AA420	2.0	6.0	18	50	4



Order Code	D1	L1	L2	L3	D2
AA610	1.0	2.0	16	55	6
AA620	2.0	6.0	20	55	6

Amann Girrbach

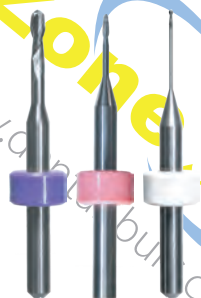
Amann Girrbach
Ceramill Mikro 4X, 5X, Micro ic, Motion2 5X



Order Code	D1	L1	L2	L3	D2
AG306	0.6	2.0	13	47	3
AG310	1.0	3.5	16	47	3
AG325	2.5	3.5	18	47	3

DentalMill

Digital Dental- Dentmill



Order Code	D1	L1	L2	L3	D2
DM306	0.6	2.0	6	38	3.175
DM310	1.0	3.5	16	38	3.175
DM320	2.0	3.5	16	38	3.175

Imes Icore

imes-icore CORiTEC one, 140i, 245i/dry,
350i, 350i & 650i Loaders, 650i, 350i robot



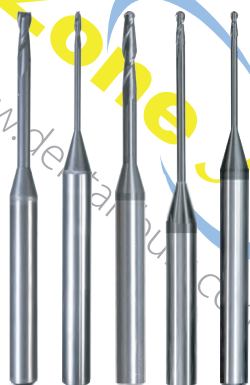
Order Code	D1	L1	L2	L3	D2
II306	0.6	2.0	10	48	3
II310	1.0	5.0	14	48	3
II325	2.5	8.0	20	48	3



Order Code	D1	L1	L2	L3	D2
II306	0.6	2.0	10	48	3
II310	1.0	5.0	14	48	3
II325	2.5	8.0	20	48	3

Roland

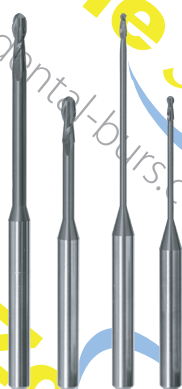
Roland DWX-4, DWX-50, DWX-51, DWX 52



Order Code	D1	L1	L2	L3	D2
RL406	0.6	1.5	6	50	4
RL410	1.0	3.5	16	50	4
RL420	2.0	3.5	16	50	4
RL410EX	1.0	3.5	20	50	4
RL420EX	2.0	5.0	25	52	4

LAVA

Lava™: CNC 240, CAM 4-K4, CNC 500



Order Code	D1	L1	L2	L3	D2
LA310S	1.0	3.5	16	38	3
LA320S	2.0	3.5	16	38	3

Order Code	D1	L1	L2	L3	D2
LA310	1.0	2.0	25	50	3
LA320	2.0	2.0	25	50	3

Sirona

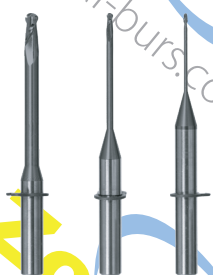
Sirona MC X5



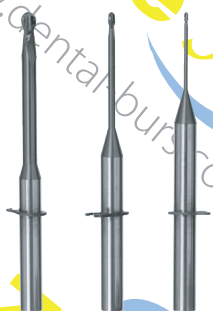
Order Code	D1	L1	L2	L3	D2
SR305	0.5	1.0	5	42	3
SR310	1.0	3.5	18	43	3
SR325	2.5	5.0	25	43	3

VHF

Vhf K4, K5, S1, S2



Order Code	D1	L1	L2	L3	D2
VHF306S	0.6	2.0	7	35	3
VHF310S	1.0	3.5	16	35	3
VHF320S	2.0	3.5	16	35	3



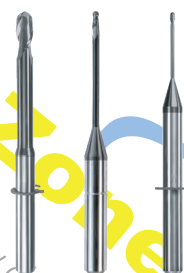
Order Code	D1	L1	L2	L3	D2
VHF306	0.6	2.0	7	40	3
VHF310	1.0	3.5	16	40	3
VHF320	2.0	3.5	16	40	3

Wieland

Wieland Zenotec Select Hybrid, Zenotec Mini



Order Code	D1	L1	L2	L3	D2
WZ307	0.7	2.0	7	40	3
WZ310	1.0	3.5	16	40	3
WZ325	2.5	5.0	20	40	3



Order Code	D1	L1	L2	L3	D2
WZ307M	0.7	2.0	7	35	3
WZ310M	1.0	3.5	16	35	3
WZ325M	2.5	3.5	20	35	3

Zirkonzahn

Zirkonzahn M1, M4, M5, M6



Order Code	D1	L1	L2	L3	D2
ZK305	0.5	1.5	6	57	3
ZK310	1.0	6.0	12	57	3
ZK320	2.0	10.0	18	57	3



Order Code	D1	L1	L2	L3	D2
ZK605	0.5	3.0	20	50	3
ZK610	1.0	6.0	12	50	3
ZK620	2.5	10.0	18	50	3