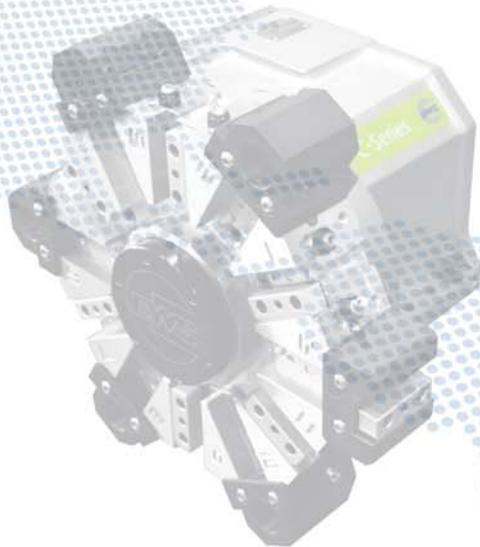


TURRET E - SERIES

PRECISION FOR PRECISION



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The shape images of this catalog is an image to help users understand it,
 and there may be some differences.
 The data are subject to thchnical modifications without notice.

Faster and more precisely

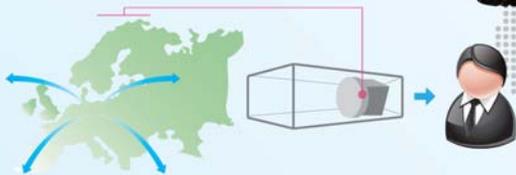




1. E - Series Description 3p	4. Size & Dimensions 9p	5. Supply Composition 17p
2. Identification Code 5p	<ul style="list-style-type: none"> · MILL Turret EZR**-TBM**-S12 -L12 EZR**-OBM**-S12 EXR**-TBM**-S12 EYR**-TBM**-L12 EUR**-TBM**-L12 EZR**-TVS**-S12 EZR**-TVD**-S12 · STD Turret EZR**-PBH**-S12 EXR**-PBH**-S12 	6. Mapping 19p
3. Contents 7p		7. Motor Selection 21p

E - Series Description

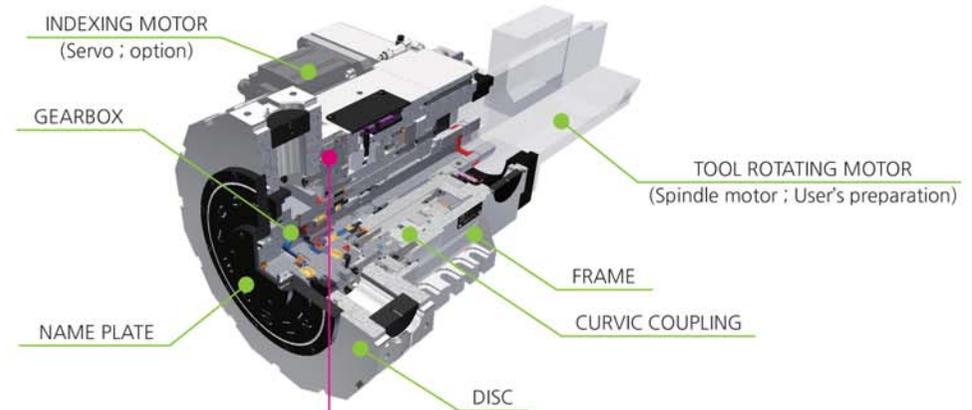
- A company who purchases a turret from European manufacturer
- A company who would like to keep the European machine design
- A company who concerns a higher price turret and a long-term delivery from Europe
- A company who would like to produce a machine that suits your customer taste aiming to European market



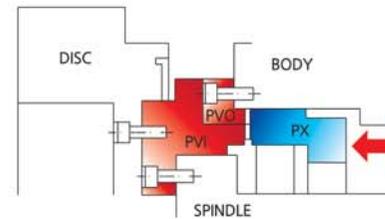
This turret was developed to use in general purpose for all over the world. It can be also provided according to customer requirement and two different options, based on a turret disc, for the processing from the front and both(the front and the back). If you are familiar with European standard design, it is very reliable choice to consider our turret. With excellent equipments and accumulated technologies, we do have finest performance and high precision. We can create the best value through choice of our machine.

- Adopt and follow European standard mechanical design
- Compact body and lower disc center height are very reliable to apply not only CNC lathe but also many different machines.
- Applied 3-pieces curvic coupling which have high rigidity, high precision
- INDEX BELT running system and eccentric-housing structure also minimize disc running noise and backlash
- Easy to manage 'after-sale service' by GEAR BOX structure which can be separated
- Turret disc indexing and tool rotating : Two motor type, One motor type
- All the disc stations can be used for rotating tools and the working tool is driven without dead time. (In case of DIN1809 coupling)
- Possible mechanical structure which can be applied high pressure coolant of Max. 70 bar
- Curvic coupling clamp : Hydraulic

E-Series Structure

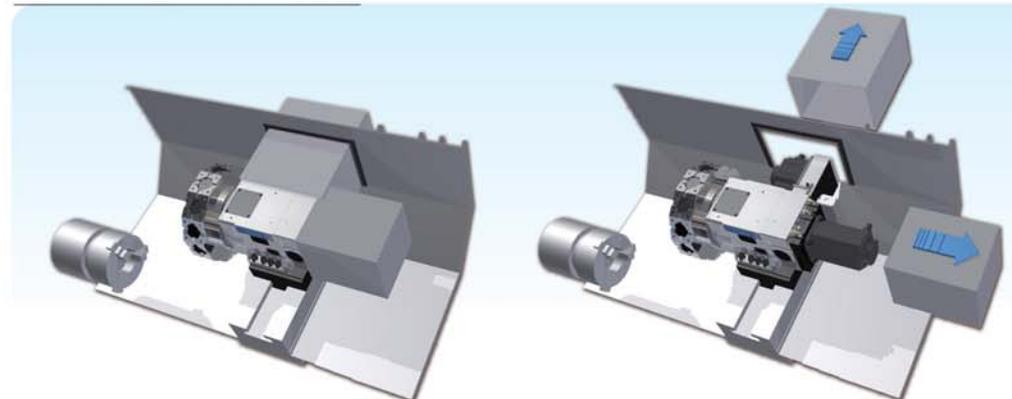


Coupling Clamp Structure (3pcs)



The rigidity is kept by pushing a piston curvic(PX) and tooth interlocking between a circling curvic(PVI) and a fixed curvic(PVO) due to hydraulic pressure

E-Series cover combination



Identification Code

E **Z** **R** **16** **T** **BM** **55** **S** **12**

EWS Turret Series

E : European

A : Asian

C : Customized Asian

Turret Position

R : Right

L : Left

Motor Type

O : 1-motor(One)
▫ Servo Motor

P : Popular
▫ Servo Motor

T : 2-motors(Two)
▫ Spindle[Servo] Motor
▫ Servo Motor

Tool : 20
O·D : 25
Size : 32

Shank Size (∅) : 25, 30, 40, 50, 60

Shank Size (∅) : 45, 55, 65, 75, 85

Tool Quantity : 8, 10, 12, 16, 24

Motor direction and form

MILL (By Spindle Motor Position)

Z : Z-axis

X : X-axis

Y : Y-axis

U : U Type

Class of Turret

Size : 16, 20, 25, 32, 40

Disc Type

BH : Base Holder

BM : BMT

VD : VDI Disc

VS : VDI Star

Z-axis Turret Size

S : Short neck

L : Long neck

STD (By Index Motor Position)

Z : Z-axis

X : X-axis

Contents



_MILL
EZR**-TBM**-S12



EZR**-TBM**-L12



EZR**-OBM**-S12



EXR**-TBM**-S12



EYR**-TBM**-L12



EUR**-TBM**-L12



EZR**-TVS**-S12



EZR**-TVD**-S12



_STD
EZR**-PBH**-S12



EXR**-PBH**-S12

EWS KOREA

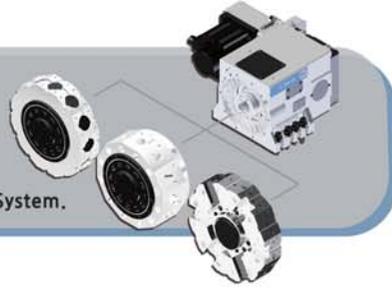


E - Series

E-Series Modular System

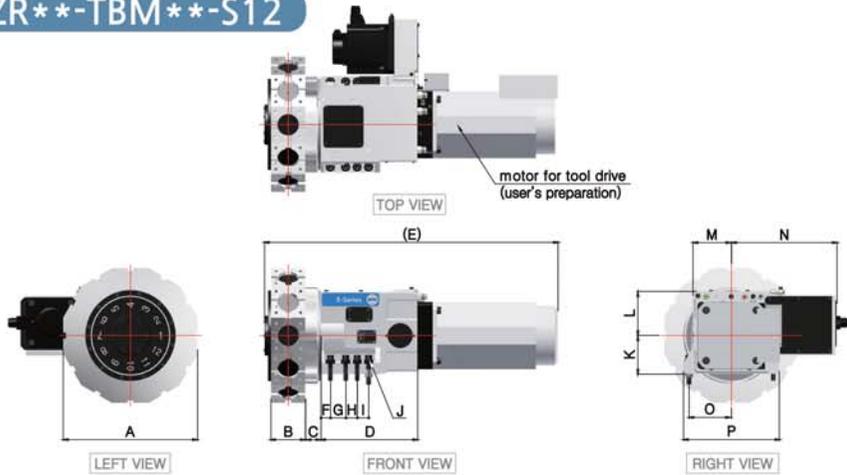
- The same Frame applies to STD and MILL
it is Modular System with one Frame and only change a disc parts.

※ BH, BM, VS Disc type can be also applied as Modular System.



MILL

EZR**-TBM**-S12

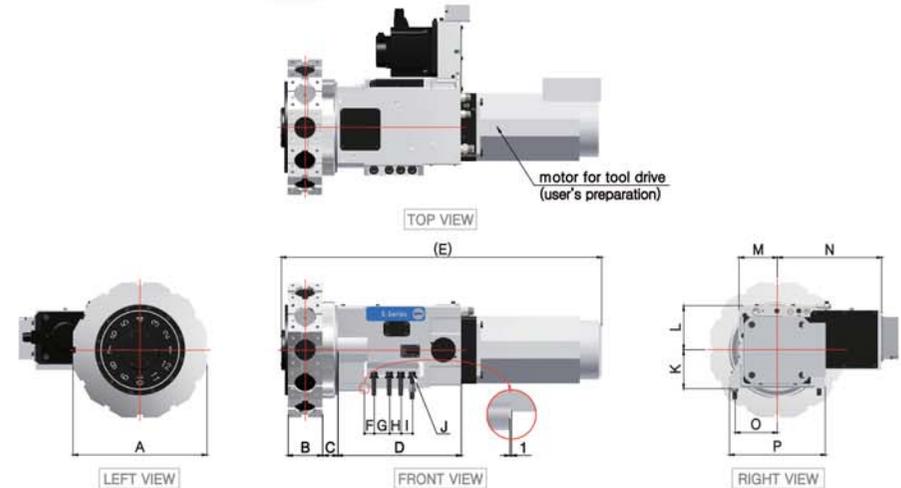


Series	Size																
	A	B	C	D	(E)	F	G	H	I	J	K	L	M	N	O	P	TBM**
EZR**-TBM**	16	290	77	36.5	228 (775)	18	32	32	32	M10X1.5	80	100	80	252	95	212	45
	20	350	90	40	252 (765.5)	25	40	30	30	M12X1.75	100	115	100	272	110	250	55
EZR**	25	380	100	45	279 (912)	30	44	43	43	M16X2.0	125	135	125	296	140	314	65
	32	450	120	50	320 (998)	34	48	56	48	M20X2.5	160	165	158	415	176	396	75
	40	530	150	60	402 (1,205)	40	60	80	60	M24X3.0	200	200	193	496	220	490	85

※ Other Q'ty of turret disc angles are applicable, please contact us.

MILL

EZR**-TBM**-L12

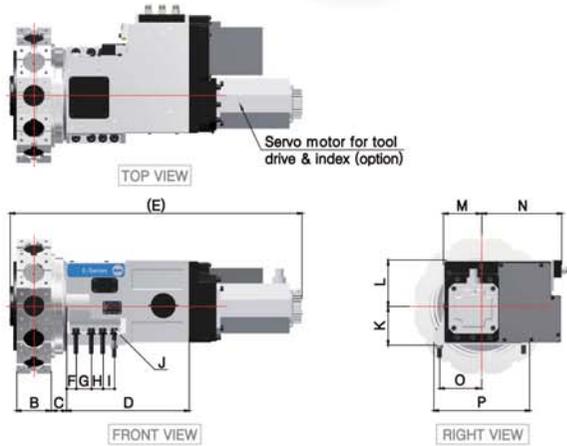


Series	Size																
	A	B	C	D	(E)	F	G	H	I	J	K	L	M	N	O	P	TBM**
EZR**-TBM**	16	290	77	36.5	293 (840)	18	32	32	32	M10X1.5	80	100	80	252	95	212	45
	20	350	90	40	322 (835.5)	25	40	30	30	M12X1.75	100	115	100	272	110	250	55
EZR**	25	380	100	45	350 (819)	30	44	43	43	M16X2.0	125	135	125	296	140	314	65
	32	450	120	50	425 (1,103)	34	48	56	48	M20X2.5	160	165	158	415	176	396	75
	40	530	150	60	547 (1,353.5)	40	60	80	60	M24X3.0	200	200	193	496	220	490	85

※ Other Q'ty of turret disc angles are applicable, please contact us.

MILL

EZR**-OBM**-S12

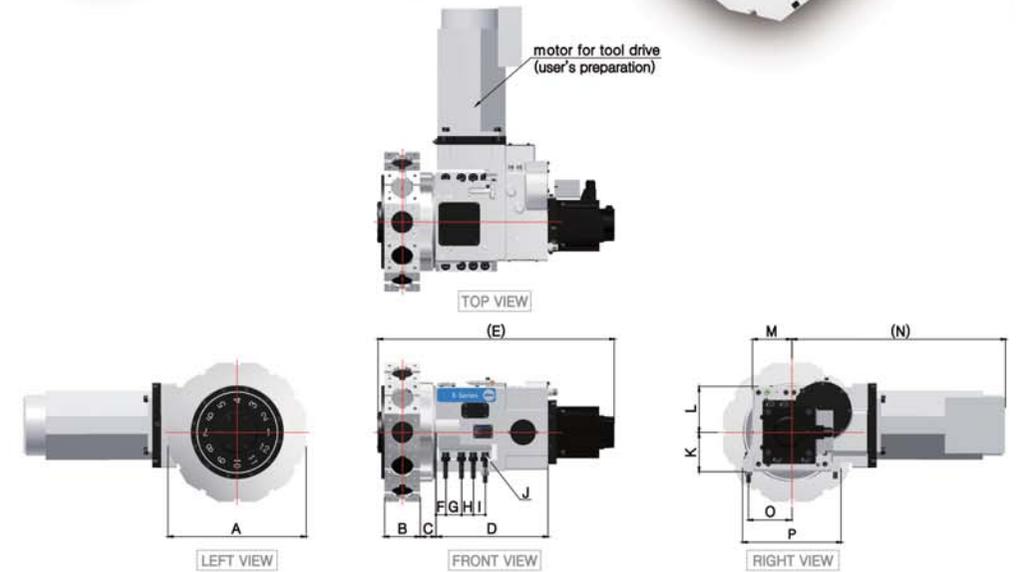


Series	Size																	
	A	B	C	D	(E)	F	G	H	I	J	K	L	M	N	O	P	OBM**	
EZR**-OBM**	16	290	77	36.5	300	(652)	18	32	32	32	M10X1.5	80	100	80	200	95	212	45
	20	350	90	40	320	(761)	25	40	30	30	M12X1.75	100	115	100	210	110	250	55
EZR**	25	380	100	45	350.5	(845)	30	44	43	43	M16X2.0	125	135	125	236	140	314	65
	32	450	120	50	380	(862)	34	48	56	48	M20X2.5	160	165	158	270	176	396	75
	40	530	150	60	460	(1,017)	40	60	80	60	M24X3.0	200	200	193	300	220	490	85

※ S(Short neck) and L(Long neck), other Q'ty of turret disc angles are applicable, please contact us.

MILL

EXR**-TBM**-S12

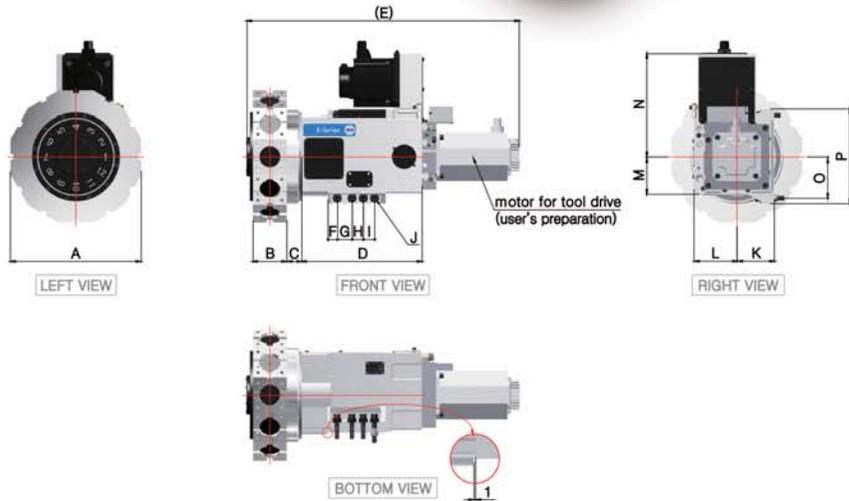


Series	Size																	
	A	B	C	D	(E)	F	G	H	I	J	K	L	M	(N)	O	P	TBM**	
EXR**-TBM**	16	290	77	36.5	264	(552.5)	18	32	32	32	M10X1.5	80	100	80	(559)	95	212	45
	20	350	90	40	284	(599.5)	25	40	30	30	M12X1.75	100	115	100	(541.5)	110	250	55
EXR**	25	380	100	45	332	(674)	30	44	43	43	M16X2.0	125	135	125	(674)	140	314	65
	32	450	120	50	406	(821)	34	48	56	48	M20X2.5	160	165	158	(720)	176	396	75
	40	530	150	60	489	(943)	40	60	80	60	M24X3.0	200	200	193	(876)	220	490	85

※ S(Short neck) and L(Long neck), other Q'ty of turret disc angles are applicable, please contact us.

MILL

EYR**-TBM**-L12

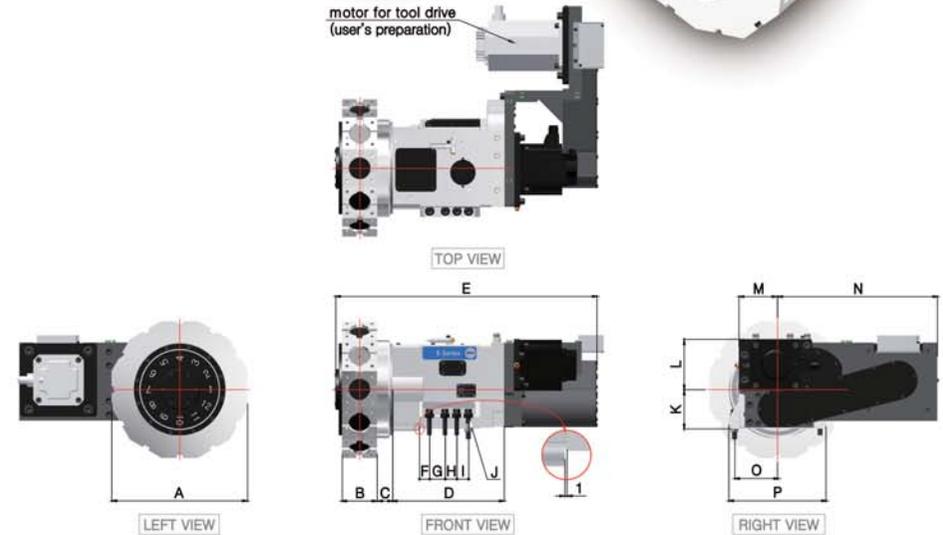


Series	Size																	
	A	B	C	D	(E)	F	G	H	I	J	K	L	M	N	O	P	TBM**	
EYR** - TBM**	16	290	77	36.5	293	(840)	18	32	32	32	M10X1.5	80	100	80	252	95	212	45
	20	350	90	40	322	(835.5)	25	40	30	30	M12X1.75	100	115	100	272	110	250	55
EYR**	25	380	100	45	350	(818)	30	44	43	43	M16X2.0	125	135	125	296	140	314	65
	32	450	120	50	425	(1,103)	34	48	56	48	M20X2.5	160	165	158	415	176	396	75
	40	530	150	60	547	(1,353.5)	40	60	80	60	M24X3.0	200	200	193	496	220	490	85

※ L(Long neck) and S(Short neck), other Q'ty of turret disc angles are applicable, please contact us.

MILL

EUR**-TBM**-L12



Series	Size																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	TBM**	
EUR** - TBM**	16	290	77	36.5	267.5	646.5	18	32	32	32	M10X1.5	80	100	80	380	95	212	45
	20	350	90	40	287	690	25	40	30	30	M12X1.75	100	115	100	412	110	250	55
EUR**	25	380	100	45	325.5	753	30	44	43	43	M16X2.0	125	135	125	454	140	314	65
	32	450	120	50	390	834	34	48	56	48	M20X2.5	160	165	158	582	176	396	75
	40	530	150	60	510	1,011	40	60	80	60	M24X3.0	200	200	193	632	220	490	85

※ L(Long neck) and S(Short neck), other Q'ty of turret disc angles are applicable, please contact us.

MILL

EZR**-TVS**-S12



※ It is **Modular System**, The dimensions of **TBM** and **TVS** are the same.
For requirement of **TVS Type**, please contact us.

EZR**-TVD**-S12



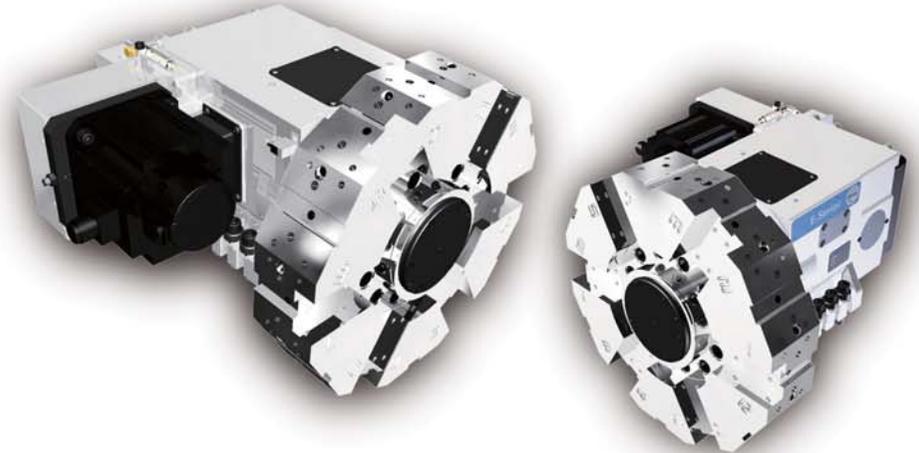
※ For requirement of **TVD[OVD] Type**, please contact us.

STD

EZR**-PBH**-S12



EXR**-PBH**-S12

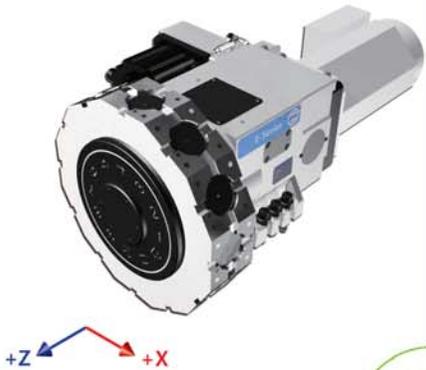


※ It is **Modular System**, The dimensions of **MILL** and **STD** are the same.
For requirement of **STD Turret**, please contact us.

Supply Composition

<General>

EZR Tool rotating motor is placed at the back of Z axis



EXR Tool rotating motor is placed at the back of X axis



MILL



EZR Index motor is placed at the back of Z axis



EXR Index motor is placed towards Z axis and frame side



STD

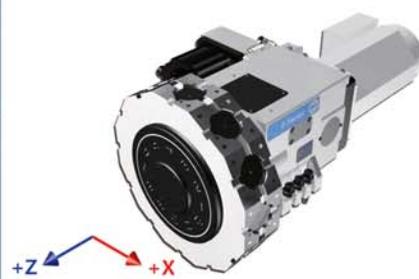


EYR It can add Y axis



EUR Tool rotating motor is placed towards Z axis and frame side

EZR Right type

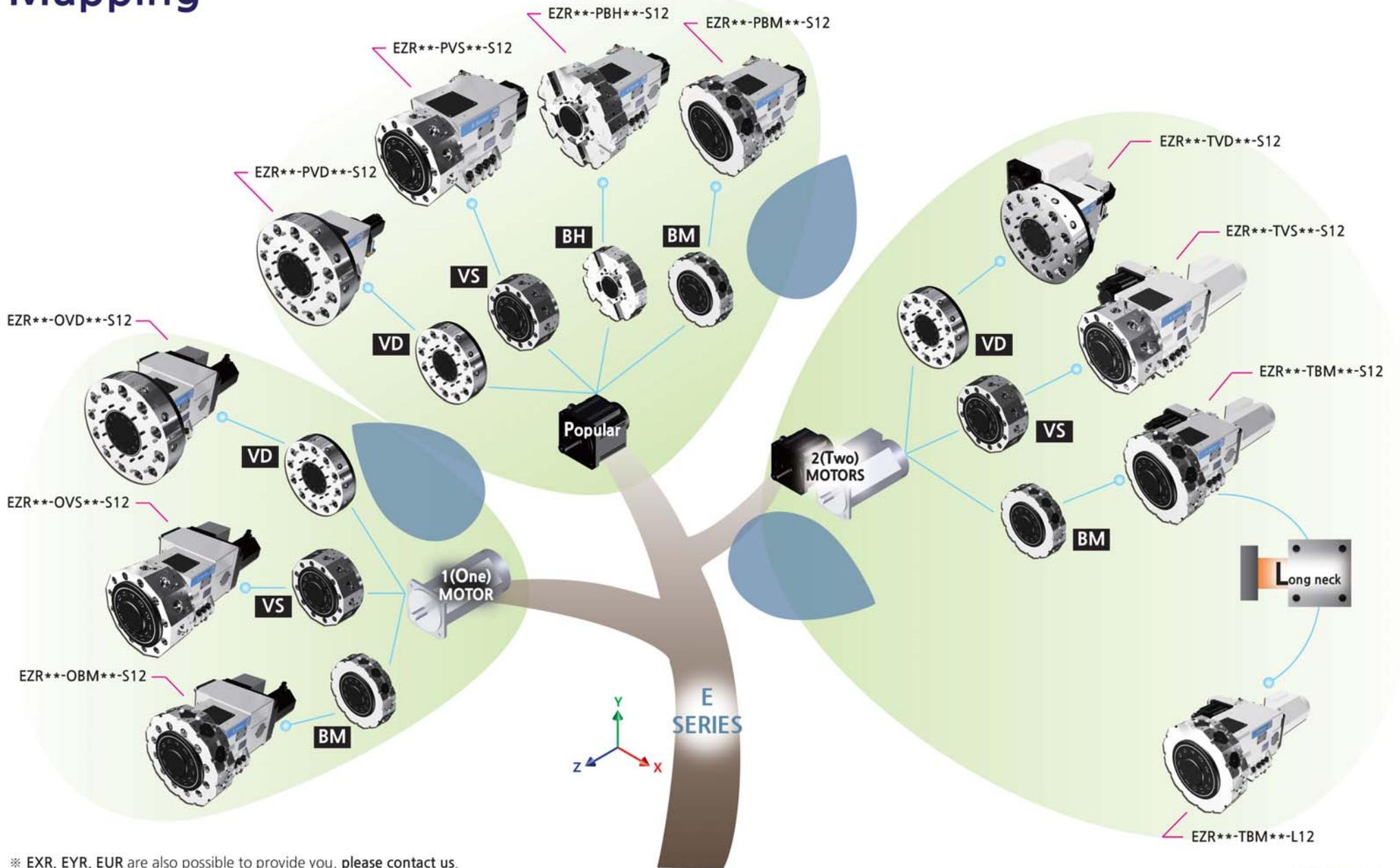


EZL Left type



※ EZL TYPE can be also applied with EXL, EYL, EUL

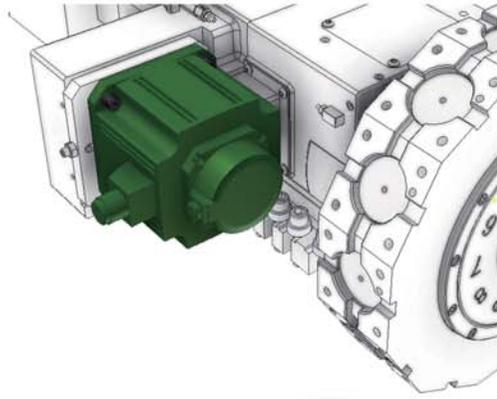
Mapping



※ EXR, EYR, EUR are also possible to provide you, please contact us.

Motor Selection

< Index Motor >



PANASONIC



SIEMENS



FANUC



DELTA



etc

※ Basically, we recommend PANASONIC as a Index Motor.
But we can apply your requirement if you want to use another Motor. Please contact us.

Saturn G H C - Quick Change Tool holder G H S

Even for a BMT type holder,
much easier and faster interchangeable system



* If using a exclusive QCT Unit,
you can use a current BMT Holder.

