

## Olympus BX41

### Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES11BX	126mm x 76mm	H220, H223R, H224PRV, H230, H234PRV, H236PRV, H237PRV, H649, H656, H657, H658, H659.

### Notes;

Custom specimen holders available on request.

Above stages are fitted with semi-adjustable limit switches.

### Motorised Focus Control (Z);

Focus motor; H122

Focus sleeve; H807

### Notes;

When encoded focus is required add H393 and H394 encoder probe kit.

### Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
<b>Excitation</b>	HF110A	HF235			HF200HT	HF202HT
<b>Emission</b>	HF110A	HF239	HF200	HF202		
<b>Brightfield</b>				Call		

### Notes;

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

### Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

## Olympus BX51

### Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES11BX	126mm x 76mm	H220, H223R, H224PRV, H230, H234PRV, H236PRV, H237PRV, H649, H656, H657, H658, H659.

#### Notes;

Custom specimen holders available on request.

Above stages are fitted with adjustable limit switches.

### Motorised Focus Control (Z);

Focus motor; H122

Focus sleeve; H807

#### Notes;

When encoded focus is required add H393 and H394 encoder probe kit.

### Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
<b>Excitation</b>	HF110A	HF235			HF200HT	HF202HT
<b>Emission</b>	HF110A	HF239	HF200	HF202		
<b>Brightfield</b>		HF238		HF202		

#### Notes;

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

### Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.



## Olympus GX51

### Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
Call	115mm x 77mm	H220, H223R, H224R, H230, H234R, H236R, H237R, H473, H649, H656, H657, H658, H659.

#### Notes;

Custom specimen holders available on request.

The stage may be fitted with linear encoders if required (see price list).

Above stages are fitted with adjustable limit switches.

### Motorised Focus Control (Z);

Focus motor; H122

Focus sleeve; H807

#### Notes;

For applications where encoded focus is required replace the H122 with the H122E and use a controller with encoder electronics.

### Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
<b>Excitation</b>	Call	Call	Call	Call	Call	Call
<b>Emission</b>	Call	Call	Call	Call	Call	Call
<b>Brightfield</b>	Call	Call	Call	Call	Call	Call

### Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

## Olympus GX71

### Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
Call	115mm x 77mm	H220, H223R, H224R, H230, H234R, H236R, H237R, H473, H649, H656, H657, H658, H659.

#### Notes;

Custom specimen holders available on request.

The stage may be fitted with linear encoders if required (see price list).

Above stages are fitted with adjustable limit switches.

### Motorised Focus Control (Z);

Focus motor; H122

Focus sleeve; H807

#### Notes;

For applications where encoded focus is required replace the H122 with the H122E and use a controller with encoder electronics.

### Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
<b>Excitation</b>	Call	Call	Call	Call	Call	Call
<b>Emission</b>	Call	Call	Call	Call	Call	Call
<b>Brightfield</b>	Call	Call	Call	Call	Call	Call

### Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

# Olympus CK40/CKX41

## Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES107OCK	115mm x 77mm	H220, H223R, H223XR, H224R, H229, H230, H234R, H236R, H237R, H473, H649, H656, H657, H658, H659.

## Motorised Focus Control (Z);

Focus motor;                    H122  
Focus sleeve;                    H807

### Notes;

For applications where encoded focus is required replace H122 with H122E and use a controller with encoder electronics.

## Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
<b>Excitation</b>	Call	Call	Call	Call	Call	Call
<b>Emission</b>	Call	Call	Call	Call	Call	Call
<b>Brightfield</b>				Call		

### Notes;

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

## Motor Controllers;

Generic number;                    H30  
Add up to 3 axes;                    H30Z or H30XY or H30XYZ  
Add autofocus function;            Replace the 'Z' with an 'A'    e.g. H30A or H30XYA  
Add 1 filter wheel control;        Add '1'                            e.g. H30Z1 or H30XYZ1  
Add 2 filter wheel control;        Add '2'                            e.g. H30Z2 or H30XYZ2  
Add encoder control;                Add 'E'                            e.g. H30XE

## Olympus IX51

### Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES107IX2	115mm x 77mm	H220, H223R, H224R, H230, H234R, H236R, H237R, H473, H649, H656, H657, H658, H659.

#### Notes;

Custom specimen holders available on request.

The stage may be fitted with linear encoders if required (see price list).

Above stages are fitted with adjustable limit switches.

### Motorised Focus Control (Z);

Focus motor; H122

Focus sleeve; H807

#### Notes;

For applications where encoded focus is required replace the H122 with the H122E and use a controller with encoder electronics.

### Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
<b>Excitation</b>	HF110A	HF235			HF200HT	HF202HT
<b>Emission</b>	HF110A	HF239	HF200	HF202		
<b>Brightfield</b>				Call		

#### Notes;

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

### Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

## Olympus IX71

### Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES107IX2	115mm x 77mm	H220, H223R, H224R, H230, H234R, H236R, H237R, H473, H649, H656, H657, H658, H659.

#### Notes;

Custom specimen holders available on request.

The stage may be fitted with linear encoders if required (see price list).

Above stages are fitted with adjustable limit switches.

### Motorised Focus Control (Z);

Focus motor; H122

Focus sleeve; H807

#### Notes;

For applications where encoded focus is required replace the H122 with the H122E and use a controller with encoder electronics.

### Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
<b>Excitation</b>	HF110A	HF235			HF200HT	HF202HT
<b>Emission</b>	HF110A	HF236	HF200	HF202		
<b>Brightfield</b>		HF237*		HF202		

\* Can only be used with 25mm shutters

#### Notes;

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

### Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

## Olympus IX81

### Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES107IX2	115mm x 77mm	H220, H223R, H224R, H230, H234R, H236R, H237R, H473, H649, H656, H657, H658, H659.

#### Notes;

Custom specimen holders available on request.

The stage may be fitted with linear encoders if required (see price list).

Above stages are fitted with adjustable limit switches.

### Motorised Focus Control (Z);

Focus motor; H122OLM

Focus sleeve; N/A

#### Notes;

### Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
<b>Excitation</b>	HF110A	HF235			HF200HT	HF202HT
<b>Emission</b>	HF110A	HF236	HF200	HF202		
<b>Brightfield</b>		HF237*		HF202		

\*Can only be used with 25mm shutters

#### Notes;

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

### Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

## Appendix A

<b>Specimen Holders for ES111 and ES107 Stages</b>	
H220	Glass plate ( not suitable for transmitted light microscopy )
H223R	Recessed microtitre plate holder (85 x 128mm )
H223RT	Recessed Terasaki Plate Holder (55x80mm)
H224	Slide holder for one 76 x 26mm microscope slide
H224PRV	Slide holder, recessed, for one 76 x 26mm microscope slide
H224R	Slide holder, recessed, for one 76 x 26mm microscope slide
H224ROT	Manual rotating holder for one 76 x 26mm microscope slide
H229	Universal Petri dish holder (dishes up to 85mm diameter)
H229D35D	Dual petri dish holder for two 35mm diameter dishes
H229D35T	Triple petri dish holder for three 35mm diameter dishes
H230	Aluminium plate
H234	Slide holder for four 76 x 26mm microscope slides
H234R	Slide holder, recessed, for four 76 x 26mm microscope slides
H234PRV	Slide holder, Semi-recessed, for four 76 x 26mm microscope slides
H236	Chambered Coverslip Slide Holder. Holds Four Lab-Tek Slides with 1, 2, 4 or 8 Chambers
H236R	Chambered Coverslip Slide Holder, Recessed. Holds Four Lab-Tek Slides
H236PRV	Chambered Coverslip Slide Holder, Semi-Recessed. Holds Four Lab-Tek Slides
H237	Slide holder for one 76 x 51mm microscope slide
H237R	Slide holder, recessed, for one 76 x 51mm microscope slide
H237PRV	Slide holder, semi-recessed, for one 76 x 51mm microscope slide
H23X	Flask Holder (Please Specify Size of Flask)
H240	Motorised rotating holder, 71mm diameter (additional axis required)
H473	Universal Specimen Holder (slides, dishes and small flasks)
H649	Holder for a single 1", 1.25" and 1.5" Mounted Metallurgical Specimen
H656	Holder for One Mounted Metallurgical Specimen, 1.25" Diameter
H657	Holder for One Mounted Metallurgical Specimen, 2" Diameter
H658	Holder for Six Mounted Metallurgical Specimens, 1.25" Diameter
H659	Holder for One Mounted Metallurgical Specimen, 1.5" Diameter