

Feature	AMICUS Basic	AMICUS Advance	AMICUS Professional	AMICUS Start	AMICUS Expert	AMICUS Prime
Controller	Wired Control Box	Wired Control Box	Wired Control Box	Wired Control Box	Wired Control Box	Android Tablet (supplied). Also can download and use Amicus app on any Android or iOS device.
Wireless Remote	No	No	Yes (supplied). RF Remote as Start/Stop, Sample, & Frequency +/- buttons.	No	Yes (optional)	Yes (supplied). RF Remote has Start, Stop, & Frequency +/- buttons. Can connect up to 4 remotes to a robot.
Controller Attachment	Slip-on metal bracket, detachable from controller.	Slip-on metal bracket, detachable from controller.	Slip-on metal bracket, detachable from controller.	Slip-on metal bracket, detachable from controller.	Slip-on metal bracket, detachable from controller.	Slip-on metal bracket, detachable from controller.
Controller-Robot Connection	Thick, heavy 25-pin serial cable.	Thick, heavy 25-pin serial cable.	Thick, heavy 25-pin serial cable.	Thin, light RCA cable.	Thin, light RCA cable.	Bluetooth (wireless)
Power PCB	Located in Control Panel, far away from motors.	Located in Control Panel, far away from motors.	Located in Control Panel, far away from motors.	Located in Base, very close to motors.	Located in Base, very close to motors.	Located in Base, very close to motors.
Programmable	Up to 6 shots. Position only can be changed. Spin, speed, and height remain same.	Up to 6 shots. Adjust speed, spin type, spin amount, height, and position for each shot.	Up to 8 shots. Adjust speed, spin type, spin amount, height, timing, & position of each shot.	Up to 6 shots. Position only can be changed. Spin, speed, and height remain same.	Up to 7 shots. Adjust speed, spin type, spin amount, height, and position for each shot.	Up to 10 shots. Adjust speed, spin type, spin amount, height, timing, & position of each shot.
Sampling Button	No	Yes	Yes (also on remote)	No	Yes	Yes (also on remote)
Memory Capacity	None	Save up to 22 drills, from 1 to 6 shots each.	Save up to 99 drills, from 1 to 8 shots each.	None	Save up to 99 drills, from 1 to 7 shots each.	Virtually unlimited memory. 6Gb storage included on supplied tablet and can be extended with mini SD card.
Pre-Programmed Drills	None	10, can be modified or replaced.	20, can be modified or replaced.	None	20, can be modified or replaced.	20, can be modified or deleted.
Drill Sequencing	No	No	Yes (Cluster Memory)	No	No	Yes (Sequences)
Drill Videos	No	No	No	No	No	Yes, but only for pre-programmed drills.
Drill Ordering	No	Numerical only.	Numerical only.	No	Numerical only.	Any way the user wants. Each drill can have a custom name and order can be changed.
Mirror Function	No	No	No	No	No	Yes—used to make drills run correctly for either right or left handed players, or quickly create a new drill variation.
Miscellaneous Controller Functions	None	None	None	None	None	Software interface offers top and side view diagrams and description of each drill, direct email customer support, virtual updates to fix bugs and add features, and share drills & messages with Facebook friends.
Serve Delay	No	No	Yes—drills that begin with serves have a short delay added at start of each repetition to simulate the pause at the start of a point in a real game.	No	No	Yes—drills that begin with a serve have a short delay added at start of each repetition to simulate the pause at the start of a point in a real game.

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Serve Number & Order	None	None	1 or 2—if 2 serves are designated, robot will alternate serves to start each drill repetition.	None	None	1, 2, or 3—if 2 or 3 serves are designated, robot will alternate serves to start each drill repetition; if Type Random is on, robot randomizes the serves.
Random Settings	Yes, 3 types— <i>rnd</i> , which scatters shots within a 20 cm radius of a selected point; <i>RND</i> , which randomly delivers a shot to 2 or more selected points; and <i>rndRND</i> , which combines these two random modes.	Yes, 3 types— <i>rnd</i> , which scatters shots within a 20 cm radius of a selected point; <i>RND</i> , which randomly delivers a shot to 2 or more selected points; and <i>rndRND</i> , which combines these two random modes.	Yes, 7 types— <i>Place rnd</i> , to scatter shots within a 20 cm radius of a selected point; <i>Place RND</i> , to randomly deliver a shot to 2 or more selected points; and <i>Type RND</i> , to throw balls with random speed, spin, and height. You can also combine any of the modes: <i>rnd+RND</i> , <i>rnd+Type</i> , <i>RND+Type</i> , <i>rnd+RND+Type</i> .	Yes, 3 types— <i>Scatter</i> , which scatters shots within a 20 cm radius of a selected point; <i>Place</i> , which randomly delivers a shot to 2 or more selected points; and <i>Scatter+Place</i> , which combines these two random modes.	Yes, 3 types— <i>Scatter</i> , which scatters shots within a 20 cm radius of a selected point; <i>Place</i> , which randomly delivers a shot to 2 or more selected points; and <i>Scatter+Place</i> , which combines these two random modes.	Yes, 7 types— <i>Scatter</i> , which scatters shots within a 20 cm radius of a selected point; <i>Place</i> , which randomly delivers a shot to 2 or more selected points; and <i>Type</i> , to throw balls with random spin, speed, and height. You can also combine any of the modes: <i>Scatter+Place</i> , <i>Scatter+Type</i> , <i>Place+Type</i> , and <i>Scatter+Place+Type</i> .
Ball Frequency	11~100 Balls Per Minute	18~100 Balls Per Minute	13~120 Balls Per Minute	11~100 Balls Per Minute	1~100 Balls Per Minute	5~120 Balls Per Minute
Frequency Steps	Variable—control knob has no discernable steps, but does have 8 indicator marks.	Variable—control knob has no discernable steps, but does have 8 indicator marks.	Variable—control knob has no discernable steps, but does have 12 indicator marks.	Variable—control knob has no discernable steps, but does have 8 indicator marks.	100	115
Frequency Customization	None	Automatic Frequency Control (AFC) provides automatic, more natural timing between shots of varying speed and spin.	Individual Frequency Control (IFC) allows you to individually adjust timing between two programmed balls.	None	Automatic Frequency Control (AFC) provides automatic, more natural timing between shots of varying speed and spin.	Individual Frequency Control (IFC) allows you to individually adjust timing between two programmed balls.
Stopping Ball Delivery	Turn knob on controller to off position.	Turn knob on controller to off position.	Button press on remote or controller. Also <i>Cycle</i> can stop/start play automatically.	Turn knob on controller to off position.	Button press on controller (or optional remote). Also <i>Cycle</i> can stop/start play automatically.	Button press on remote or controller. Also <i>Cycle</i> can stop/start play automatically.
Interval Training	No	No	Yes. <i>Cycle</i> pauses and then restarts play automatically. Play period can be set to 20, 40, 60, or 80 seconds. Pause period automatically set at 1/2 of the play period.	No	Yes. <i>Cycle</i> pauses and then restarts play automatically. Play period can be set to 20, 40, 60, or 80 seconds. Pause period automatically set to ½ of the play period.	Yes. <i>Cycle</i> pauses and then restarts play automatically. Quickset options for 20/40/60/80 second play periods with pause period automatically set to ½ of the play period. Custom play/pause periods can be set from 10–90 seconds for play and 10–50 seconds for pause.
# & Type of Wheels	Three 4" foam.	Three 4" foam.	Three 4" foam.	Three 4" foam.	Three 4" foam.	Three 4" foam.
Spin Types	Topspin, backspin, left sidespin, right sidespin, top/left spin, top/right spin, back/left spin, back/right spin, no spin.	Topspin, backspin, left sidespin, right sidespin, top/left spin, top/right spin, back/left spin, back/right spin, no spin.	Topspin, backspin, left sidespin, right sidespin, top/left spin, top/right spin, back/left spin, back/right spin, no spin.	Topspin, backspin, left sidespin, right sidespin, top/left spin, top/right spin, back/left spin, back/right spin, no spin.	Topspin, backspin, left sidespin, right sidespin, top/left spin, top/right spin, back/left spin, back/right spin, no spin.	Topspin, backspin, left sidespin, right sidespin, top/left spin, top/right spin, back/left spin, back/right spin, no spin.
Spin Amount Steps	6 for topspin, 4 for backspin, sidespin has variable control knob with no discernable steps, but 4 indicators.	5 for topspin, 4 for backspin, 4 for right sidespin, 4 for left sidespin.	7 for topspin, 5 for backspin, 6 for right sidespin, 6 for left sidespin.	6 for topspin, 4 for backspin, sidespin has variable control knob with no discernable steps, but 4 indicators.	6 for topspin, 4 for backspin, 5 for right sidespin, 5 for left sidespin.	7 for topspin, 5 for backspin, 6 for right sidespin, 6 for left sidespin.
Speed/Spin Range	@ 50/50 to 100/0	@ 50/50 to 100/0	@ 10/90 to 100/0	@ 50/50 to 100/0	@ 50/50 to 100/0	@ 10/90 to 100/0

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How does wheel speed determine spin type & speed/spin ratio?	Speed of 3 wheels relative to each other, forward spinning only.	Speed of 3 wheels relative to each other, forward spinning only.	Speed and direction of wheels relative to each other, forward and backward spinning.	Speed of 3 wheels relative to each other, forward spinning only.	Speed and direction of wheels relative to each other, forward spinning only.	Speed and direction of wheels relative to each other, forward and backward spinning.
Ball Speed Steps	22	19	25	22	21	25
Shot Types	Counter, fast loop, push, chop, lob, serve, dead block, flat kill, smash.	Counter, fast loop, push, chop, lob, serve, dead block, flat kill, smash.	Counter, fast loop, slow loop, push, chop, lob, serve, dead block, flat kill, smash, heavy chop.	Counter, fast loop, push, chop, lob, serve, dead block, flat kill, smash.	Counter, fast loop, push, chop, lob, serve, dead block, flat kill, smash.	Counter, fast loop, slow loop, push, chop, lob, serve, dead block, flat kill, smash, heavy chop.
Oscillation Steps	Variable—control knob does not have discernable steps, but has 9 indicator marks.	Variable—control knob does not have discernable steps, but has 9 indicator marks.	17	Variable—control knob does not have discernable steps, but has 9 indicator marks.	17	17
Osc. Movement	Deflector plate	Deflector plate	Deflector plate	Deflector plate	Deflector plate	Deflector plate
Elevation Steps	Approximately 108 with 9 indicator marks.	85 (19 indicators)	200 (45 indicators)	Approximately 108 with 9 indicator marks.	154 (19 indicators)	154 (154 indicators)
Elev. Movement	Deflector plate	Deflector plate	Deflector plate	Deflector plate	Deflector plate	Deflector plate
Rot. Movement	N/A (no head rotation)	N/A (no head rotation)	N/A (no head rotation)	N/A (no head rotation)	N/A (no head rotation)	N/A (no head rotation)
Silent Mode	Yes, there are no fans, and motors stop when ball delivery stops.	Yes, there are no fans, and motors stop when ball delivery stops.	Yes, there are no fans, and motors stop when ball delivery stops.	Yes, there are no fans, and motors stop when ball delivery stops.	Yes, there are no fans, and motors stop when ball delivery stops.	Yes, there are no fans, and motors stop when ball delivery stops.
Power Supply	External wall wart with Euro & US power cords. Input: 100~240V, 50~60Hz; Output: 24V, 2.5A.	External wall wart with Euro & US power cords. Input: 100~240V, 50~60Hz; Output: 24V, 2.5A.	External wall wart with Euro & US power cords. Input: 100~240V, 50~60Hz; Output: 28V, 2.8A.	External wall wart with Euro & US power cords. Input: 100~240V, 50~60Hz; Output: 24V, 3A.	External wall wart with Euro & US power cords. Input: 100~240V, 50~60Hz; Output: 24V, 3A.	External wall wart with Euro & US power cords. Input: 100~240V, 50~60Hz; Output: 24V, 3A.
Ball Projection Height	Adjustable—8", 9.5", 11", & 12.5" above table surface.	Adjustable—8", 9.5", 11", & 12.5" above table surface.	Adjustable—8", 9.5", 11", & 12.5" above table surface.	Adjustable—8", 9.5", 11", & 12.5" above table surface.	Adjustable—8", 9.5", 11", & 12.5" above table surface.	Adjustable—8", 9.5", 11", & 12.5" above table surface.
Poly/Celluloid Ball?	Poly or celluloid	Poly or celluloid	Poly or celluloid	Poly or celluloid	Poly or celluloid	Poly or celluloid
Table Thickness Adjustable?	No—rubber tips only for 1" table tops. Must modify installation for all table tops not 1" in thickness.	No—rubber tips only for 1" table tops. Must modify installation for all table tops not 1" in thickness.	No—rubber tips only for 1" table tops. Must modify installation for all table tops not 1" in thickness.	Yes, rubber tips screw/unscrew to accommodate table thickness from ¾" to 1" (9mm to 25mm)	Yes, rubber tips screw/unscrew to accommodate table thickness from ¾" to 1" (9mm to 25mm)	Yes, rubber tips screw/unscrew to accommodate table thickness from ¾" to 1" (9mm to 25mm)
Ball Recycling Net	Yes	Yes	Yes	Yes	Yes	Yes
Side Net Attachment	Rubber band slips over table-net bracket and around table-net clamp screw. Small end of side net tapers to a point.	Rubber band slips over table-net bracket and around table-net clamp screw. Small end of side net tapers to a point.	Rubber band slips over table-net bracket and around table-net clamp screw. Small end of side net tapers to a point.	Rubber band slips over table-net bracket and around table-net clamp screw. Small end of side net tapers to a point.	Rubber band slips over table-net bracket and around table-net clamp screw. Small end of side net tapers to a point.	Rubber band slips over table-net bracket and around table-net clamp screw. Small end of side net tapers to a point.
Robot Dimensions Unfolded	62"W x 33.75"H x 63"D	62"W x 33.75"H x 63"D	62"W x 33.75"H x 63"D	62"W x 33.75"H x 63"D	62"W x 33.75"H x 63"D	62"W x 33.75"H x 63"D
Robot Dimensions Folded	9.5"W x 31"H x 12.75"D	9.5"W x 31"H x 12.75"D	9.5"W x 31"H x 12.75"D	9.5"W x 31"H x 12.75"D	9.5"W x 31"H x 12.75"D	9.5"W x 31"H x 12.75"D
Printed Manuals	1—Owner's Manual (brief)	1—Owner's Manual (brief)	1—Owner's Manual (brief)	1—Owner's Manual in English, German, and French (detailed).	1—Owner's Manual in English, German, and French (detailed).	1—Owner's Manual in English (detailed).
Carry/Storage Bag	Yes	Yes	Yes	Yes	Yes	Yes
Spare Parts/Tools Included	Rubber bands for side nets, Wheel Adjustment Gauge, 2mm & 4mm Hex Wrenches (for replacing & adjusting wheels).	Rubber bands for side nets, Wheel Adjustment Gauge, 2mm & 4mm Hex Wrenches (for replacing & adjusting wheels).	Rubber bands for side nets, Wheel Adjustment Gauge, 2mm & 4mm Hex Wrenches (for replacing & adjusting wheels).	Rubber bands for side nets, Wheel Adjustment Gauge, 2mm & 4mm Hex Wrenches (for replacing & adjusting wheels).	Rubber bands for side nets, Wheel Adjustment Gauge, 2mm & 4mm Hex Wrenches (for replacing & adjusting wheels).	Rubber bands for side nets, Wheel Adjustment Gauge, 2mm & 4mm Hex Wrenches (for replacing & adjusting wheels).
Upgradeable	Yes, to AMICUS Advance or Professional	Yes, to AMICUS Professional	No	Yes, to Amicus Expert	No	No
Manufacturer Warranty	2 years + 5 year Parts Availability Guarantee	2 years + 5 year Parts Availability Guarantee	2 years + 5 year Parts Availability Guarantee	2 years + 5 year Parts Availability Guarantee	2 years + 5 year Parts Availability Guarantee	2 years + 5 year Parts Availability Guarantee
Country of Origin	Hungary, except carry case & power supply, which are from China.	Hungary, except carry case & power supply, which are from China.	Hungary, except carry case & power supply, which are from China.	Hungary, except carry case & power supply, which are from China.	Hungary, except carry case & power supply, which are from China.	Hungary, except carry case, power supply, & tablet which are from China.
Price	\$1,249.99	\$1,699.99	\$1,999.99	\$1,299.99	\$1,849.99	\$2,199.99