

Feature	SmartPong S400	SmartPong S500	AMICUS Basic	AMICUS Advance	AMICUS Professional
Controller	Infrared Remote with LCD display	Infrared Remote with LCD display	Wired Control Box	Wired Control Box	Wired Control Box (additional RF remote—has Start/Stop, Sample, & Frequency +/- buttons)
Controller Attachment	Handheld (cloth pocket with velcro attachment provided).	Handheld (cloth pocket with velcro attachment provided).	Slip-on metal bracket, detachable from controller.	Slip-on metal bracket, detachable from controller.	Slip-on metal bracket, detachable from controller.
Programmable	Up to 9 shots. Adjust speed, spin type, position, and height for each shot.	Up to 9 shots. Adjust speed, spin type, position, and height for each shot.	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.
Sampling Button	Yes	Yes	No	Yes	Yes (also on remote)
Memory Capacity	Save up to 9 unique shots, which can be linked together to create 1 drill.	Save up to 9 unique shots, which can be linked together to create 1 drill.	None	Save up to 22 drills, from 1 to 6 shots each.	Save up to 99 drills, from 1 to 8 shots each.
Pre-Programmed Drills	9, cannot be changed.	9, cannot be changed.	None	10, can be changed or replaced.	20, can be changed or replaced.
Drill Sequencing	No	No	No	No	Yes (Cluster Memory)
Random Settings	None	None	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, 5 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; <i>Place rndRND</i> , to combine the above two random modes; <i>Type RND</i> , to throw balls with random speed, spin, and height; & <i>Place/Type RND</i> , to combine <i>Place RND</i> with <i>Type RND</i> .
Ball Frequency	30~90 Balls Per Minute	30~90 Balls Per Minute	11~100 Balls Per Minute	18~100 Balls Per Minute	18~120 Balls Per Minute
Frequency Steps	40	40	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.
Frequency Customization	None	None	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	Button press on remote or elapsed time in 1 minute intervals.	Button press on remote or elapsed time in 1 minute intervals.	Button press on controller.	Button press on controller.	Button press on remote or controller. <i>Cycle</i> pauses play every 2, 4, 6, or 8 minutes.
# & Type of Wheels	One 2" rubber.	One 2" rubber.	Three 4" foam.	Three 4" foam.	Three 4" foam.

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Spin Types	Topspin, backspin, left sidespin, right sidespin, top/left spin, top/right spin, back/left spin, back/right spin.	Topspin, backspin, left sidespin, right sidespin, top/left spin, top/right spin, back/left spin, back/right 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	N/A (spin amount determined by speed setting).	N/A (spin amount determined by speed setting).	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.
Speed/Spin Range	@ 50/50	@ 50/50	@ 50/50 to 100/0	@ 50/50 to 100/0	@ 10/90 to 100/0
How does wheel speed determine spin type & speed/spin ratio	Rotation of head and speed of single wheel, forward spinning only	Rotation of head and speed of single wheel, forward spinning only	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 (Mega-Spin).
Ball Speed Steps	99	99	22	19	25
Shot Types	Counter, fast loop, push, chop, lob, serve.	Counter, fast loop, push, chop, lob, serve.	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	9	9	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
Osc. Movement	Whole head	Whole head	Direction plate	Direction plate	Direction plate
Elevation Steps	28	28	Variable—control knob does not have discernable steps, but does have 9 indicator marks.	85 (19 indicators)	200 (45 indicators)
Elev. Movement	Partial head	Partial head	Direction plate	Direction plate	Direction plate
Rotation Steps	59	59	N/A (no head rotation)	N/A (no head rotation)	N/A (no head rotation)
Rot. Movement	Partial head	Partial head	N/A (no head rotation)	N/A (no head rotation)	N/A (no head rotation)
Fine Tune Knob	Yes, adjusts ball speed as motor ages so pre-programmed drills run correctly.	Yes, adjusts ball speed as motor ages so pre-programmed drills run correctly.	None, but speed of shots in a drill can be adjusted to compensate for motor's age.	None, but speed of shots in a drill can be adjusted to compensate for motor's age.	None, but speed of shots in a drill can be adjusted to compensate for motor's age.
Silent Mode	Yes, kills fans and noise when no balls are being thrown.	Yes, kills fans and noise when no balls are being thrown.	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	Internal, 88V~240V, 1.2~2.3A	Internal, 88V~240V, 1.2~2.3A	External wall wart with Euro-to-US plug adapter. Input: 100~240V, 50~60Hz; Output: 24V, 2.5A.	External wall wart with Euro-to-US plug adapter. Input: 100~240V, 50~60Hz; Output: 24V, 2.5A.	External wall wart with Euro-to-US plug adapter. Input: 100~240V, 50~60Hz; Output: 28V, 2.8A.
Ball Projection Height	Non-adjustable, 10.25" above table surface.	Non-adjustable, 10.25" 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?	Celluloid only	Poly only	Poly or celluloid	Poly or celluloid	Poly or celluloid
Table Thickness Adjustable?	Yes—rubber bumpers for 1/2", 3/4", and 1" table tops. 6 washers to fine-tune fit to table.	Yes—rubber bumpers for 1/2", 3/4", and 1" table tops. 6 washers to fine-tune fit to table.	No—rubber bumpers only for 1" table tops. Must modify installation for all table tops not 1" in thickness.	No—rubber bumpers only for 1" table tops. Must modify installation for all table tops not 1" in thickness.	No—rubber bumpers only for 1" table tops. Must modify installation for all table tops not 1" in thickness.

Feature	SmartPong S400	SmartPong S500	AMICUS Basic	AMICUS Advance	AMICUS Professional
Ball Recycling Net	Yes	Yes	Yes	Yes	Yes
Side Net Attachment	Metal screw-type clamp with upright L-bracket. Small end of side net is 6.5" tall.	Metal screw-type clamp with upright L-bracket. Small end of side net is 6.5" tall.	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	60"W x 33.5"H x 66"D	60"W x 33.5"H x 66"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	13"W x 33.5"H x 12"D	13"W x 33.5"H x 12"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	5—User's Manual (detailed), Technique Manual, Important Warnings, Brief Instruction Guide, & Brief Operation Guide.	5—User's Manual (detailed), Technique Manual, Important Warnings, Brief Instruction Guide, & Brief Operation Guide.	1—Owner's Manual (brief)	1—Owner's Manual (brief)	1—Owner's Manual (brief)
DVD	2—operation and training	2—operation and training	None	None	None
Training Manual	Yes	Yes	No	No	No
Carry/Storage Bag	Yes	Yes	Yes	Yes	Yes
Balls Included	100 (Celluloid)	100 (Poly)	No	No	No
Ball Picker-Upper?	Yes	Yes	No	No	No
Spare Parts/Tools Included	Skateboard; Skateboard Spring; Wheel; Ball Service Spring; 1/16" flat, #1 (L-shaped), & #0 Phillips screwdrivers; cleaning cloth.	Skateboard; Skateboard Spring; Wheel; Ball Service Spring; 1/16" flat, #1 (L-shaped), & #0 Phillips screwdrivers; cleaning cloth.	Rubber bands for side nets, Wheel Adjustment Gauge, 2mm & 4mm Allen Wrenches (for replacing & adjusting wheels).	Rubber bands for side nets, Wheel Adjustment Gauge, 2mm & 4mm Allen Wrenches (for replacing & adjusting wheels).	Rubber bands for side nets, Wheel Adjustment Gauge, 2mm & 4mm Allen Wrenches (for replacing & adjusting wheels).
Upgradeable	No	No	Yes, to AMICUS Advance or Professional	Yes, to AMICUS Professional	No
Manufacturer Warranty	3 years	3 years	2 years + 5 year Service Policy	2 years + 5 year Service Policy	2 years + 5 year Service Policy
Country of Origin	Taiwan	Taiwan	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.
Price	\$2,499.99	\$2,499.99	\$1,249.99	\$1,699.99	\$1,999.99