

Factory (Machine) Variations Workshop

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THREE BALLS

Regular—Can be done solid on one side, or in symmetrical fashion for best effect

Reverse—same as above

Tennis—here the tennis ball is carried back and forth

Relf's Factory—as seen at: <http://libraryofjuggling.com/Tricks/3balltricks/RelfsFactory.html>

Shower—also known as the Inverted Shower. Fast hands and sharp, straight carries are key.

Square the Factory (Myron Pauls, 2/21/09)—another version is the Z-Factory!

Reverse Carry (Brandon Birchak, 10/24/08)

Over Under Factory (Matthew McCorkle, 3/18/10)

Cross Arm (Aoki)

423—a new invention by Noel Yee! Factory carry of the '2'!!! Whole new horizons are OPEN!

531—because the throw after the carry is a '1' instead of a '3', the claw after the carry is different.

6330—a good warm up for the four-ball version

FOUR BALLS

53—performed by Kazuhiro Shindo

534—my little addition to the club

633—the classic by Ben Beaver

7333—two variations; one from David Sallee and the other, harder version by Kazuhiro Shindo

[76]235023—a great new multiplex pattern (David Cheetam, 9/22/09)

[76]2320—a faster version of the above, again courtesy of Mr. Cheetam

FIVE BALLS

77335—for practice on both sides

8633—a better looking version than 7733 and easier to run

94633—take that 97531!!

993333—an logical extension of 7733 and allows for two carries

94493344—asymmetrical, but quite fun

88531—spice up the old 88441

[76]3324—beautiful pattern from Matthew Tiffany

[98]33324—blast this one and do two carries—you can cut out the final '...24' and go straight back into cascade.

b633633—the gold standard. When I first saw Ben do it, I couldn't believe it.

NOTES—Remember to keep your elbow down so that it does not block your vision. Keeping your elbow down, your wrist cocked, and your palm out towards the audience also creates a better aesthetic.

ACKNOWLEDGEMENTS

I simply must thank Ben Beaver for first introducing this idea to me in a dark and musty tent at the 2004 British Juggling Convention in Derby. Koumei Aoki, Kazuhiro Shindo, and Matthew Tiffany must also be acknowledged for their skills with these types of tricks—they are the innovators. Lastly, my deepest bow of respect goes to Charlie Dancy and his superlative *Encyclopaedia*, from which I learned the very first, most fundamental Factory. I loved it then, and I still love it, even to this day. More recently, Gauthier Tritschler has added to the game with some excellent work in his videos: <https://goo.gl/IvNI5a>.

RECOMMENDATIONS

To see many of these and other techniques in action, I suggest you view the following videos:

- Koumei Aoki's competition routine from the 2004 Juniors Championship at the IJA Festival in Buffalo, New York. His variations are included in this workshop and can be found at 2:29 into his routine.
- Kazuhiro Shindo's competition routine from the 2005 Juniors Championship at the IJA festival in Davenport, Iowa.
- Matthew Tiffany's Tiffy2 video on Juggling TV
(http://www.juggling.tv/vaults/view_video.php?viewkey=a036cfc6433c3e2ee63b)
- Ori Roth's four-ball routine from the 15th Israeli Juggling Convention 1:08 into his routine.
- Ben Beaver's segments on the Siteswap DVD

Feedback: Please feel free to offer your comments and critiques about your experience during this workshop at:

<https://goo.gl/y4BDr7>