

B2B TREATER SETUP

BY BULK SEED SYSTEMS, INC.

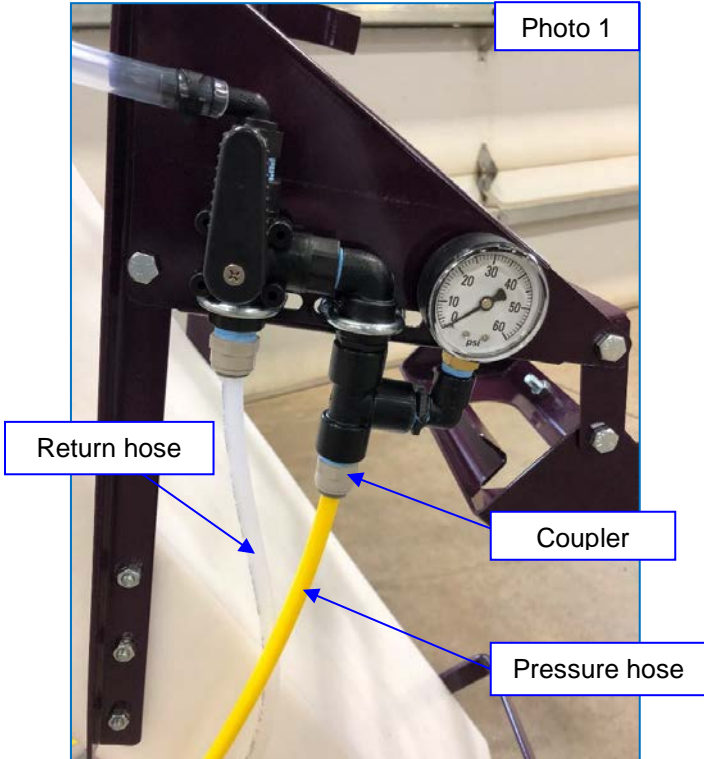


Photo 1

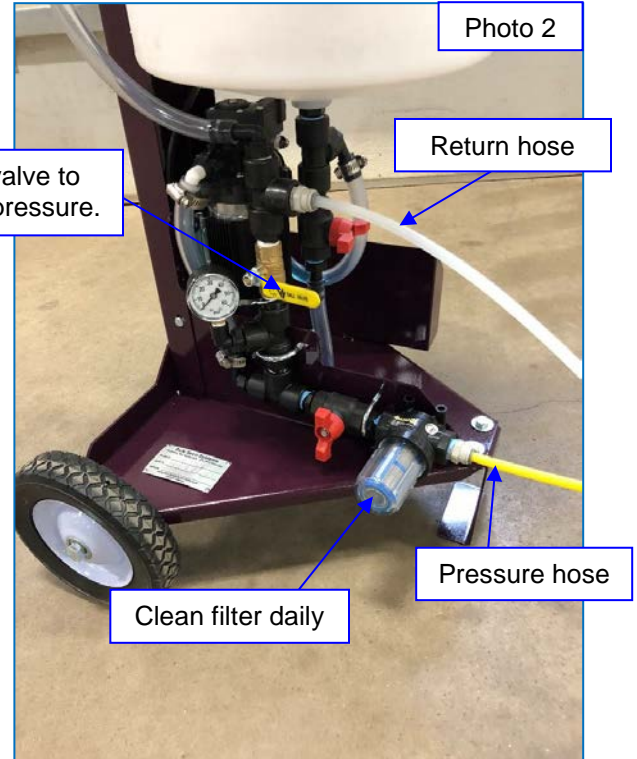


Photo 2

Step 1: Install 3/8" hose into hose fitting on chute and tank base (Photos 1 & 2). These hoses can be pushed into the quick couplers over 1/4" then when pulled back it will catch the hose tight. When you want to take hose out of coupler, push in on hose, then hold coupler ring tight against the coupler and pull out hose.

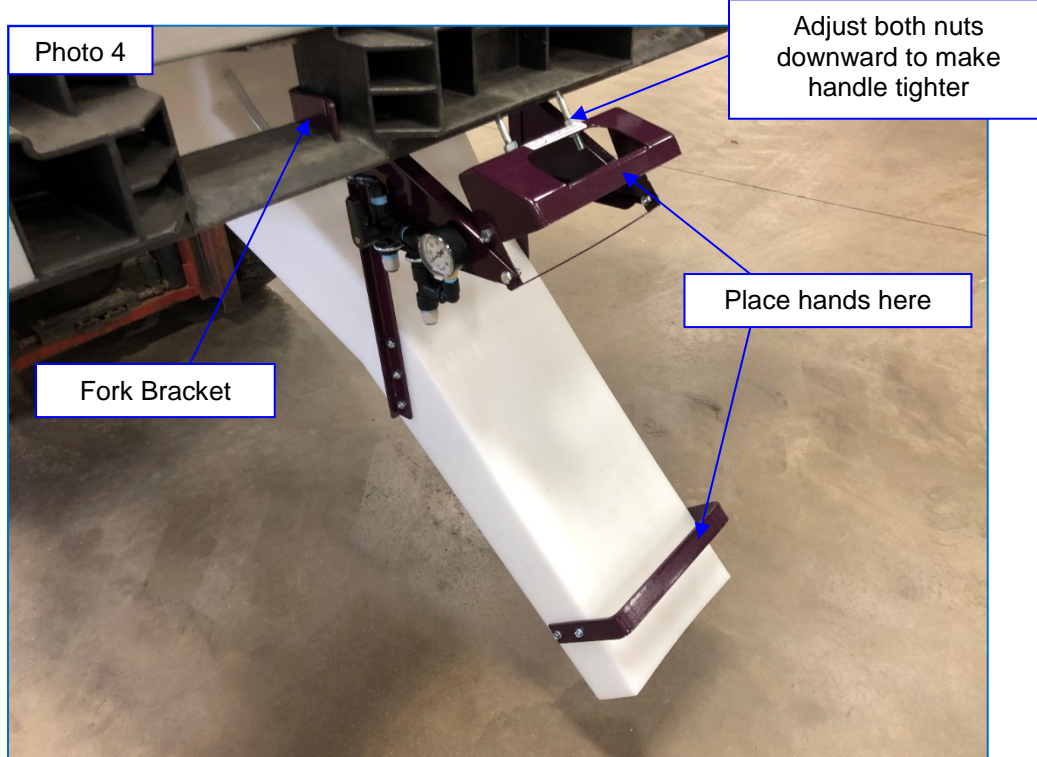


Photo 3

Finished B2B Treater

B2B TREATER SETUP

BY BULK SEED SYSTEMS, INC.



PRO-CHUTE WILL ONLY FIT ON THE SIDE OF THE BOX WITH THE SIDE GATE ON. FORK LIFT CAN LIFT FROM ANY OF THE OTHER THREE SIDES.

Step 2: (Photo 4) Install Pro-chute onto box by placing one hand on the bottom end of the chute and the other hand on the Cam Lever Handle. After placing the fork bracket onto the box pull towards yourself and push down at the bottom end of the chute. Snap CAM/Lever Handle against seed box. If handle doesn't snap tightly then adjust nuts on U-bolt as needed.

Calibration procedures with Flow Control:

1. Look on the seed tag for what you want to treat. Find the "seeds/lb" and look on the line graph chart (pages 4-5) for your selected crop and the number of units in a box of seed. After finding the correct chart, follow the Blue horizontal line in the middle of the chart (5-minute drop rate) over to the seed size you have. Draw a line straight down to the bottom of the chart and you will find how far open the B2B Flow Control gate should be. (With our example on the "Soybeans (45 units) – Gate Opening per Seed Size" chart shows at 2700 seeds/lb you will need to set the opening less than 1 3/8") (Photo 5) (Note: this is a starting point only; temperature and humidity will affect flow.)
2. **(DO NOT APPLY ANY TREATMENT, AT THIS TIME.)** After setting the B2B Flow Control opening, use a stopwatch to time the drop rate of your box of seed. Using our example of 2700 seeds/lb, let's say that your box emptied in 5.2 minutes instead of 5 minutes. That is OK because we will use the nozzle pressure chart next to see what pressure we need for 5.2 minutes.

B2B TREATER SETUP

BY BULK SEED SYSTEMS, INC.



3. Look at the “B2B Treater Setup – Nozzle and Pressure Selection Chart” (page 6) to find the column that shows 5.2-minute drop rate. Now follow that column down to the row that has the total ounces that you want to apply to your box of seed. Let’s say we want to apply 250 ounces of product to one box of seed. With our example above, there was a drop rate of 5.2 minutes, we would follow the column down from 5.2 minutes and follow the 250 oz/box row over to see that we need to use 35 psi with the yellow nozzles or 16 psi with the blue nozzles. (Note: this is a starting point only; thickness of product will change pressure that is needed.)
4. Final Step: **(Without running seed through the B2B Treater.)** Place a container at the bottom of the B2B chute to catch treatment so you can measure the amount (in ounces) that you spray out over the amount of time you need to treat one box of seed. Use a stopwatch to check that the correct amount of treatment you will be using flows through the nozzles at the pressure you set it at. (The thicker the product, the higher the pressure may need to be.)

Below is a close-up photo of the B2B Flow Control Gate set at 1 3/8” open (Photo 5). It has many notches at both sides of the slide gate. With the slide gate all the way up there is a 2” opening. Each notch is 1/4”, so if you need to set gate at 1 1/2” you need to go down two notches. If you need to set gate at 1 3/8” then you need to lower the gate 2 1/2 notches from wide open.

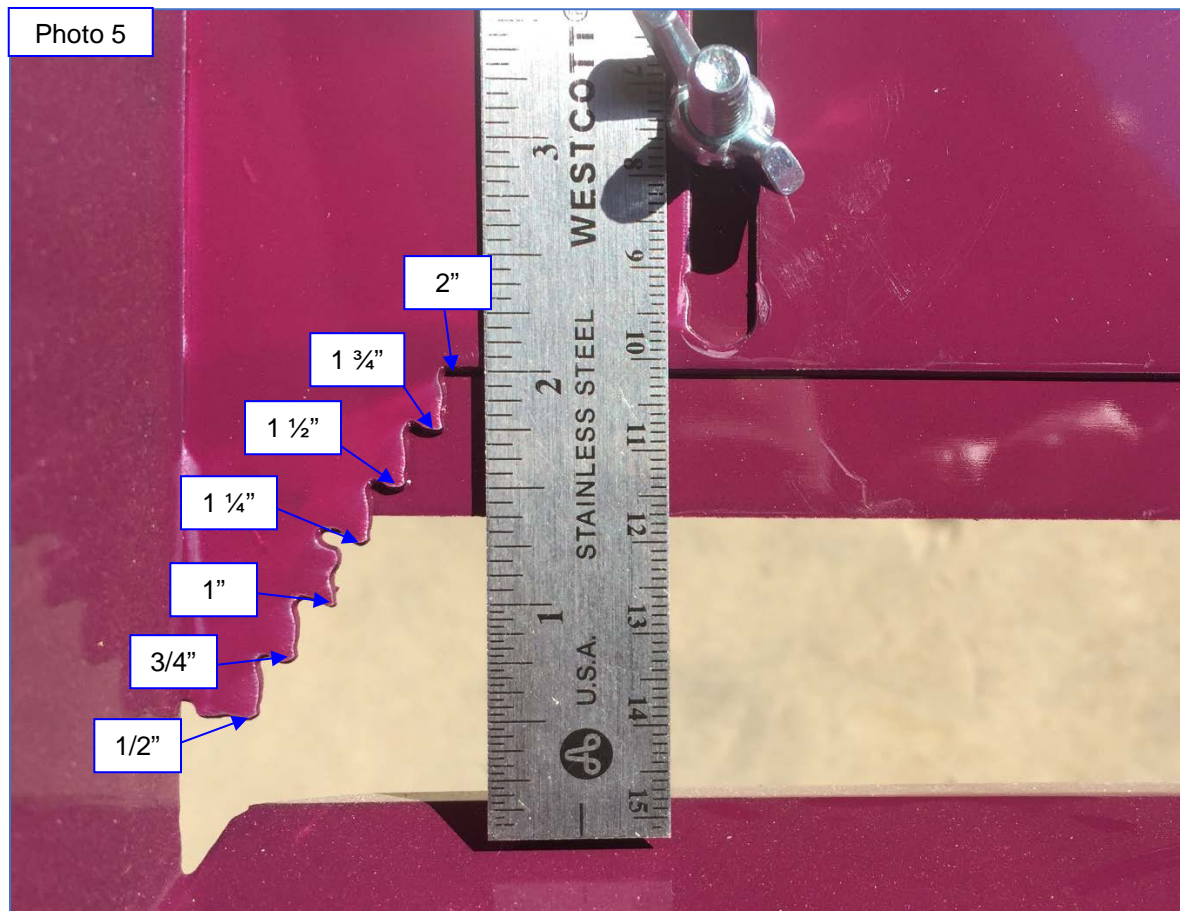


Photo 5

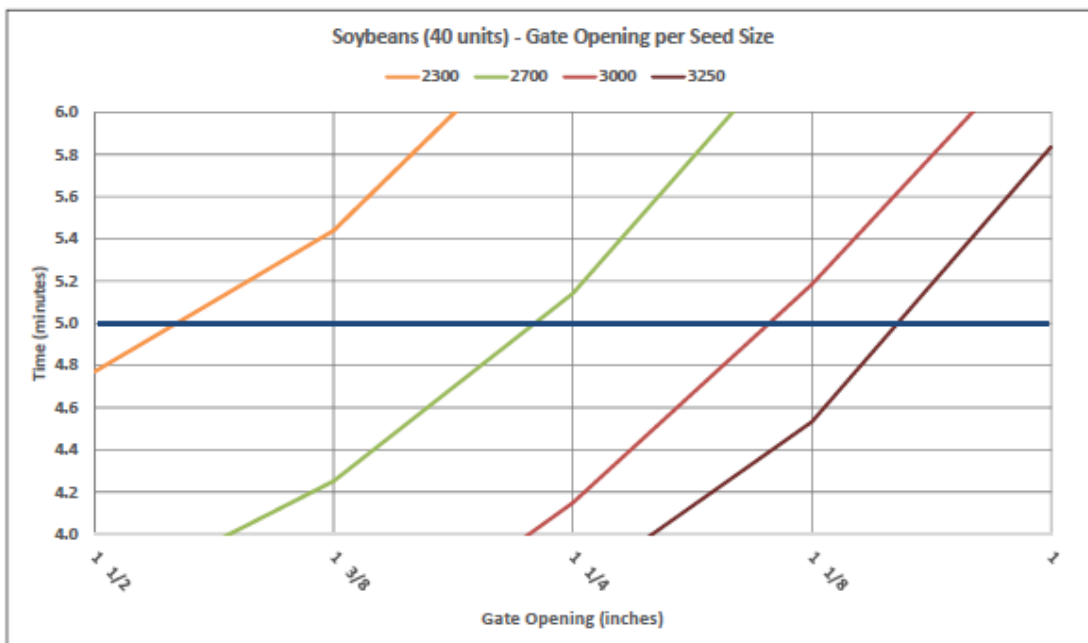
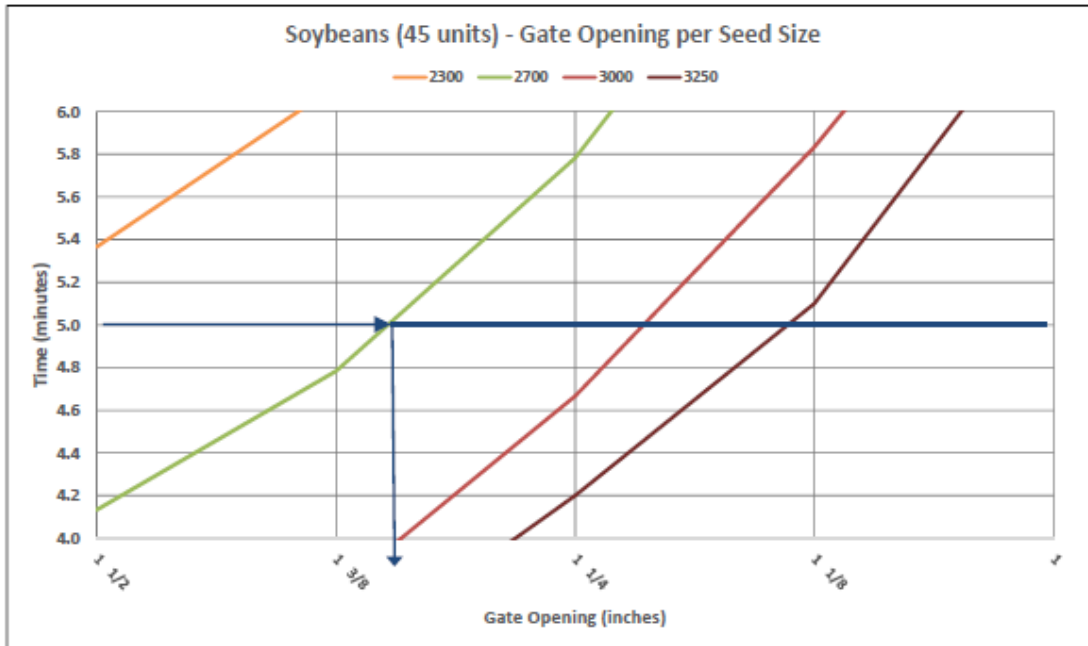
B2B TREATER SETUP

BY BULK SEED SYSTEMS, INC.



Follow these steps for calibration of B2B Treater...

1. Look for your seed size on your seed tags. (this should be in seeds/lb)
2. Follow the Blue horizontal line on the chart at the 5 minute line until you get to your seed size
3. From your seed size draw a line straight down to the bottom of chart.
4. This will be your setting for the B2B Flow Control Gate
(example is for 2700 seeds per lb. Gate setting would be a little less than 1 3/8" open)

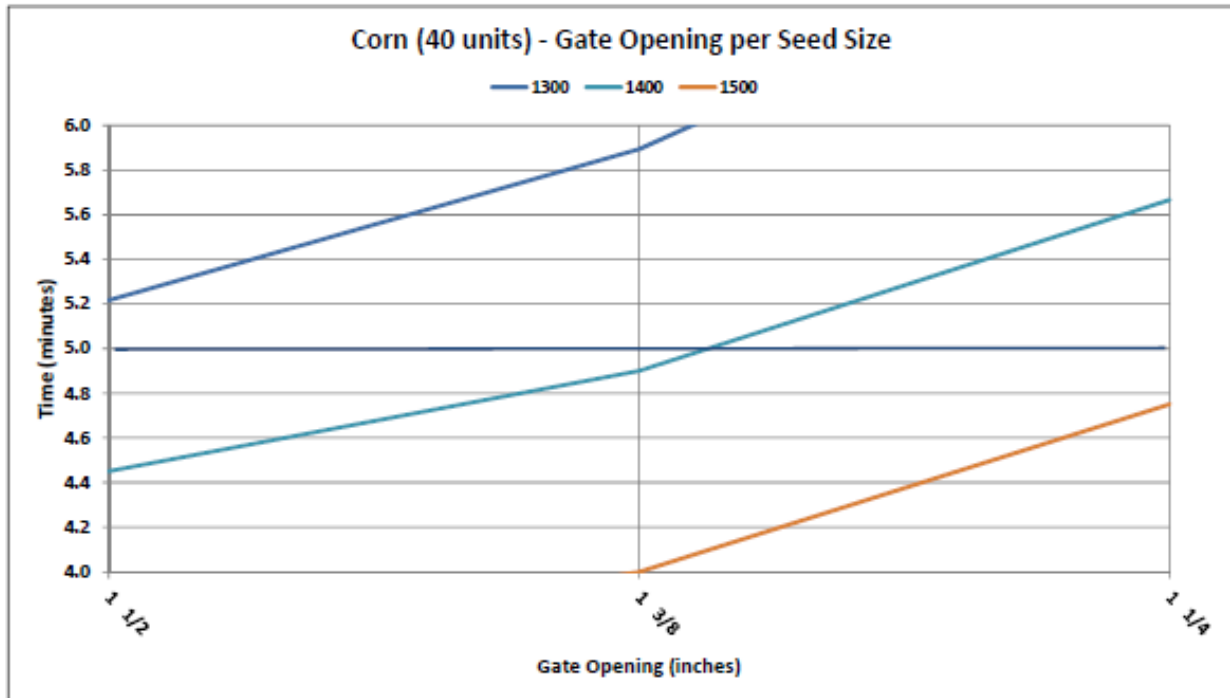
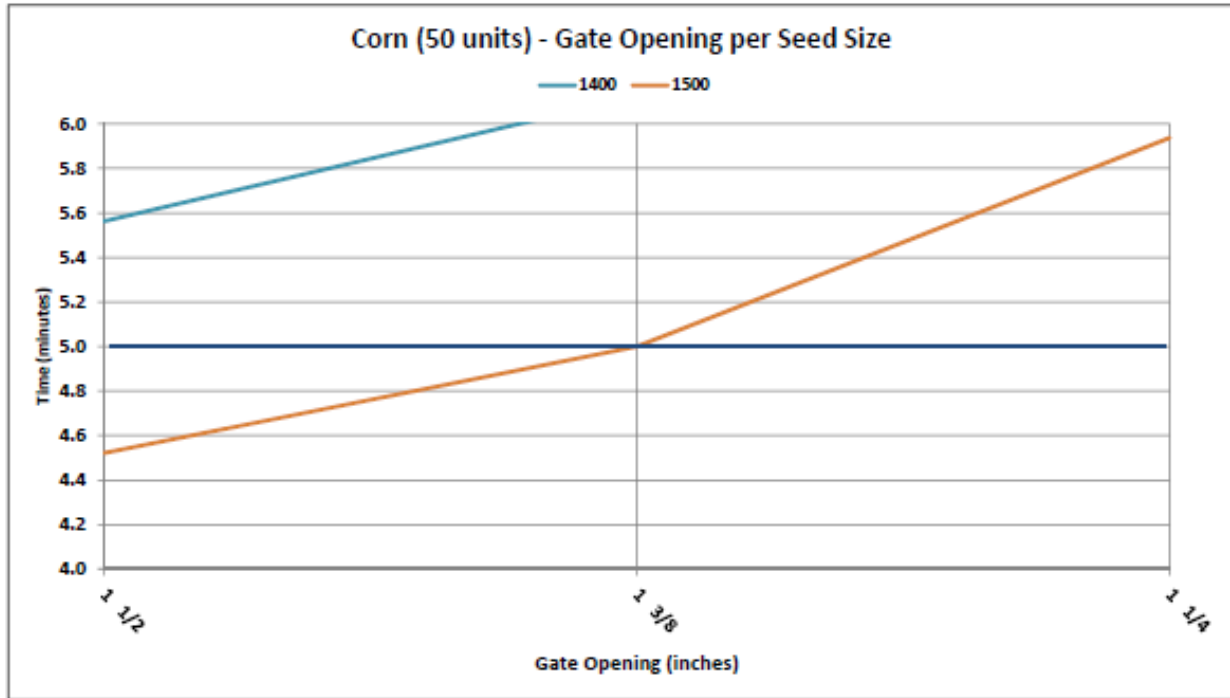


QUESTIONS? CONTACT US AT

Phone: (507) 342-2222 Email: sales@bulkseedsystems.com Website: www.bulkseedsystems.com

B2B TREATER SETUP

BY BULK SEED SYSTEMS, INC.



QUESTIONS? CONTACT US AT

Phone: (507) 342-2222 Email: sales@bulkseedsystems.com Website: www.bulkseedsystems.com



B2B TREATER SETUP

BY BULK SEED SYSTEMS, INC.

B2B Treater Setup - Nozzle and Pressure Selection Chart
 Use this chart to set nozzle pressure, after setting Flow Control Gate on B2B chute, and timing the drop rate from the seed box

oz/box (gallons of treatment x 128oz/gal)	Drop Rate in Minutes											
	4.0 min	4.2 min	4.4 min	4.6 min	4.8 min	5.0 min	5.2 min	5.4 min	5.6 min	5.8 min	6.0 min	
150	22	20	19	17	16	15	18	17	16	15	18	
175	30	27	25	23	21	19	23	21	20	19	18	
200	38	34	32	29	27	25	25	21	20	19	18	
225	22	19	18	17	16	15	29	27	25	24	22	
250	15	24	22	20	19	17	35	33	31	29	27	
275	19	17	15	25	23	21	19	39	37	34	32	
300	22	20	18	29	27	25	23	21	20	18	18	
325	16	23	21	19	18	17	27	25	24	22	20	
350	19	17	15	24	21	19	18	29	27	25	24	
375	15	30	18	16	24	22	36	33	31	16	27	
400	17	16	21	19	17	15	23	21	20	19	17	
425	20	18	16	21	19	18	26	24	22	21	20	
450	22	20	18	17	15	14	28	27	25	23	22	
475	24	22	20	19	17	16	31	30	28	26	24	
500	27	25	22	20	19	17	35	32	30	28	26	
525	29	27	25	23	21	19	39	36	33	31	29	
550	32	29	27	25	23	21	43	40	37	34	31	
575	35	32	29	27	25	23	47	44	41	38	35	
600	38	35	31	29	27	25	51	48	45	42	39	
625		38	34	31	29	27	55	52	49	46	43	
650			37	34	31	29	59	56	53	50	47	

XR11002	XR11002	XR11003	XR11003	XR11004	TJ-60 11004	XR8005	TJ-60 11005	XR8006	TJ-60 11006
Yellow	Blue	Red	Brown	Gray					

Always use suggested nozzle tip combinations together (never two different colors)