01.13.40 01.14.16	High shot pans of the Performance Center cage area one gunsmith working in front Another pan	This is the Smith & Wesson Performance Center… with a select group of highly skilled gunsmiths not tuning guns, but building custom guns.
01.04.59	Wide of grey hair gunsmith building up autoloaders… Tights of hands working on pins for hammer and such	Roland Provost is one of the Master Gunsmiths working here. He's doing the final assembly on a short run of 952s…
01.06.03 01.07.08 01.06.44	Shot over rack of frames waiting that he's built Face shots. while cycling Tight of hands operating slide and trying trigger and hammer… side of slide says Performance Center.	These are the highly accurate 9mm Target pistols that retail for 24-hundred dollars… and there is no comparable model available as a factory production firearm. Like all Performance Center models… the 952 is created here, using the best parts, and hand tuned in assembly. It's strictly custom work.
01.07.20	Wide at milling machine	Master Revolver Gunsmith, Jim Rae is doing some of that custom work on a revolver cylinder.
01.07.53	From behind of hands and face working it	Cutting chamfers in the charge holes of an assembled cylinder with extractor.
01.07.40 01.08.25 01.08.06	Tight of hands Face shot ECU of cutting chamfers	The chamfer cuts will speed the reloads of the owner, which could be Jerry Miculek. Jim Rae builds and tunes Jerry's revolvers for competition and his world records. Master gunsmith work, that has to be done by hand and eye, with the judgment of years of experience.

01.08.33	Tight of the cylinder done that he's checking in his hands compared to un-cut cylinder	But this cylinder is not going into a Jerry gun, or a Performance Center model. It's one of the parts going to the factory for production assembly of the Pro Series guns, like the SSR. Built with Performance Center Parts.
01.12.44	Pull out from propped assembled gun on his desk… static shot	
01.13.18	Pan to it *****	

CG: Jim Rae / S&W Master Gunsmith

01.00.37 The SSR Jim is kind of a cross between, as you said, some of the guns we do and the factory does. They've incorporated the tapered barrel like we use on our 8 shot revolvers, recessed the muzzle, which the crowing adds for accuracy. We still use the prepped parts which is the forged hammer and trigger with the trapped sear. The parts are stoned in the performance center., before they get into the assembly process. We use a bossed mainspring, which is a lighter mainspring, reduced power main spring, so it gives a smoother lighter trigger pull. 01.17

01.28.57	This is wider shot of three person assembly area	Those custom prepared parts, and the chamfered cylinder run through the factory assembly process… that begins with spinning on the barrel to an initial torque setting.
01.30.49	using torque fixture to spin on barrel shroud. Just to start them	
02.01.52	Guy precisely aligning barrel on J frame does it twice and checks on fixture	Then comes the precise alignment of barrel to frame, checked in the fixture… adjusted with the large padded wrench.
02.02.35	Checking frame on fixture	
02.0255	Head shot while working	
02.03.00	Tighter shot of twisting frame to precisely align	
01.32.03	Black guy in position three spinning cylinder for camera checking true rotation	The companion cylinder is checked for concentricity…
02.00.30	Black guy loading into the broach machine	And then the cylinder gap is broached… cut at the forcing cone by the toothed tool that keys off the
02.01.03	loads cylinder and frame… and broach cutter make the	

	cylinder gap by gauging off the cylinder while cutting the end of the barrel	cylinder. The frame and cylinder are now matched for assembly.
01.20.20 01.21.39 01.22.22 01.22.43	Wide of assembly carrels moving to the one guy we're watching,, First steps in assembly over his shoulder More fast assembly Using the lever to cut the timing gears in the center of the cylinder.	Rico Silva is one of the revolver fitters and he is very fast as the cylinder first joins the frame… and the long lever makes the precise cuts to the extractor ratchets that set the timing for rotation.
01.23.00 sear, etc 01.23.42	adding internal parts, trigger Hammer going in	Then comes internal parts added quickly… and the hammer.
01.23.50	Mainspring going in… then tension screw is set	Then the mainspring… with the tension screw set to lock it down.
01.25.00	Checking timing	And a moment to check the timing of rotation.
 01.25.30	Gun into vice very fast move Rod down barrel, turning forcing cone champfer tool	And with a quick move to the vice, Rico uses pressure from a nylon block, to make the final deep chamfer cut to the forcing cone.
01.2550	checking go no gauge on cylinder gap	Next a check of the cylinder gap with a go-no-go gauge.
01.25.30	Using rod to test timing again	A final check of the timing using a rod down the barrel to see the charge holes align before the hammer falls.
01.26.50	Adding sights in wide shot… and it's done	And with the sights for this model…. It's done.
01.27.26	Gun into working box… it's done	And if it's a pro series gun, like the SSR, it's done with all the custom

01.28.03	Pan across from high position to show lots of revolver building positions and lots of folks building revolvers	parts. And with the Performance Center Gunsmiths checking the assembly.

01. 03.45 So when the gun is built, it goes through the range, it comes out of the range, before packing, that's when we go over and take a look at all the guns. We'll check the trigger pulls on 'em, we can check the accuracy on 'em from the target at the range, you know and we can make sure there's any adjustments on em before the final product goes out the door. 04.02

01.15.03	Loading tight in hands	And Jim Rae will pull selected guns for personal testing on the range. (Nat Sound Shooting)
01.15.14	Tight of him shooting gun 6 times in port	
01.15.37	Wider shot of bringing gun back from port and emptying brass	
01.09.57	Start here with mainspring... then side plate going on	And for a total tear down… to see that all the parts are working as specified by the Smith master gunsmiths.
01.10.19	Screwing screws in the side plate	
01.10.44	Cylinder going in	
01.10.57	Screwing nothing obvious	
01.11.14	Grips going on	
01.11.43	Working the action checking	Back together and checked for trigger pull and timing in the hands of Jerry Miculek's gun smith, this Pro Series SSR – Stock Service Revolver… is legal to compete in IDPA competition… because it's a production gun… built with custom tuned parts to win.
01.11.55	Checking lock up and timing	
01.12.26	Trigger work	
01.12.44	Pull out from propped assembled gun on his desk... static shot	
(use alternate from before)		

01.04.19 It gives you an excellent gun with very good accuracy and an excellent trigger pull, ah without 04.26 Where you're saving is the added labor of where you're going for the enth degree ah on the Jerry Miculek Gun, you're making for him, or a Doug Koenig Gun. 04.35