RX Meter 车房计

目前在车房系统中，因为现在没有镜片能在线检测的仪器，特别是高弯度的镜片，用软抛第一次往往做不准。

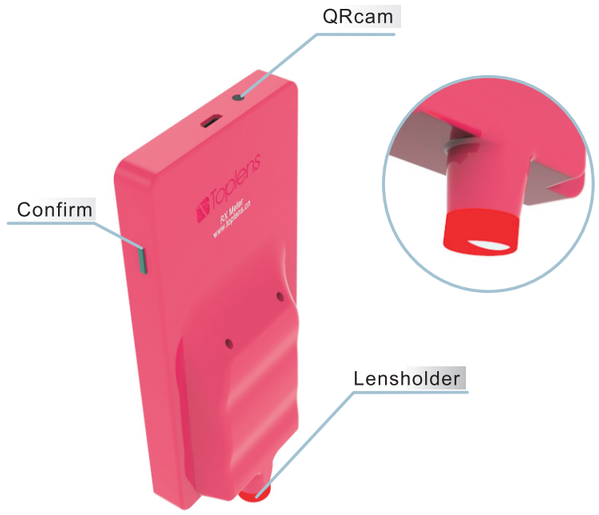
作为精密光学的从业者，我们有使命去思考这个问题，于是在2013的一个下午,一项新的专利技术，一个新的Baby车房RXmeter诞生了。RXMeter采用反射式光焦度测量原理，手持式测量近光和远光光度同工单服务器里面的理论值进行比较，从而判断镜片是否合格或需要返修。大大提高了良品率和杜绝了光度不准的浪费。

RXMeter的另外一个功能就是可以测量车房毛坯的基弯。让车房计算软件根据实际的基弯计算要加工的理论面形，减少因毛坯基弯不准造成的误差的报废。

Because there is no focimeter available to measure lens power with blocker, it is disastrous especially for high curve lens. It is not easy for flexible polishing to make sure that surface power will be in tolerance after polished.

As a precision optics engineer, it is our mission to solve this problem, so one afternoon in 2013, a new patented technology, a new baby—RXMeter was born. RXMeter utilizes reflective optical power measurement principle, handheld measures near view and far view zone power to compare with theoretical value of Jobfile in server to determine whether lens is qualified or needs repair, which well improves the yield and eliminates the waste due to power that is beyond tolerance.

Another feature of RXMeter is the ability to measure base curve of blank. After base curve is obtained by RXMeter, it will be transferred to lens calculation program automatically to correct real base curve data, which lets lens calculation program to be processed in accordance with the actual base curve, to reduce scrap due to imprecise base curve data.



目前车房在用的检测方法是:镜片抛光后进行激光打标，下盘后用胶皮标识近光和远光的区域，然后用普通角度计测量光度。这种检测办法有个问题。如果发现光度不合格，虽然可以利用激光隐形标志二次上盘,但也会存在抛光没有去除原先的激光标记的问题，也就是激光二次打标会出 现左右轻重的问题，镜片必须要报废。而RXMeter在线测量仪器的出现，将原先的开环生产变成了闭环生产，精细打造车房镜片才真正成为可能,从此远离报废.对于玻璃渐进多焦点磨具生产而言，闭环尤其重要。

RXMeter采用一体化密封设计，防止车房的灰尘对内部光学系统的污染，保证长期工作的稳定性。

另外RXMeter还可以通过Wifi方便地连接你的服务器的车房系统，共享数据。

Current measuring method used in RX Lab is: to mark reference points on lens surface and de-block it after lens processing, through power checks by foci meter staff of far view and near view zone indicated by rubber patter, but it has a problem. If you find lens power out of tolerance, although you can re-block finished lens by invisible mark, you will still have to face bad engraving quality while applying for a second time because you cannot keep the second engraving at the same position and unbalance stock removal while flexible tool polishing will not have uniform stock removal. Thanks to insitu RXMeter, original open-loop production is replaced by a closed-loop, making it possible to refine RX lens and stay away from rejection. For glass mold industry, it is extremely important and necessary to guarantee smooth and quality production.

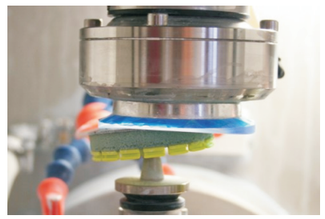
The integrated seal design of RXMeter prevents dust in labs from polluting internal optical system and ensures its long-term stability.

In addition RXMeter can also easily connect to your RX server via wifi to exchange data.

How to Use RXmeter

建议使用的流程图

Step1:3M胶带贴膜后上盘
Step1:Block lens with 3M tape



Step2:车房加工
Step2: Surfacing

Step3:扫条码从服务器拿
到加工面的理论数据
Step3:obtains Job Files from server

Step4:测量近光和
远光区的度数
Step4:measure far and
near view power

RX Meter

技术特性

FEATURES

自由切换曲率半径/光焦度/不同散度格式显示	Radius/Power/Cylinder display mode
测量范围: 灰色机:凸面 0D-12D,	Range: Grey RXMeter: for convex: 0D to 12D,
红色机:凹面-1D到-12D	Red RXMeter: for concave: 0D to -12D
精度: 绝对精度0.01D	Accuracy: absolute 0.01D
分辨率0.001D	Resolution 0.001D
快速的标定程序	Quick calibration program
4. 7in 1920x1080显示屏，带CTP触摸屏	4. 7 inch 1920x1080 display with CTP touch screen
数据交换接口:WLAN 802.11ac/WCDMA	Data Interface: WLAN 802.11ac/WCDMA
尺寸: 136x64x17mm	Dimensions: 136x64x17mm
电池: 2500mAh	Battery: 2500mAh
电源接口: MicroUSB	Power Input: 5V @2A, MicroUSB