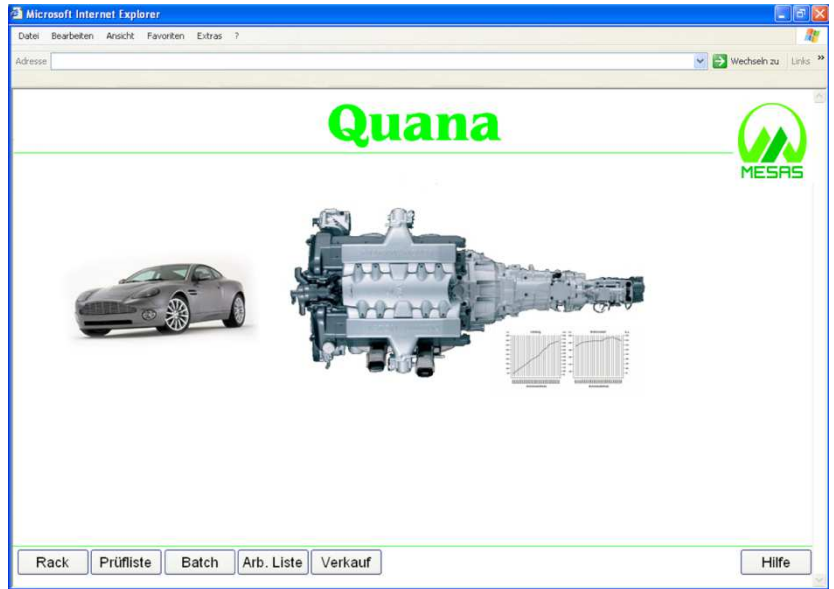


# MESAS Quana Manufacturing Execution System

As an integrating link between commercial ERP systems and the control instruments of the shop floor, **Manufacturing Execution Systems (MES)** provide the information base for interaction of business processes. Customized and well structured MES solutions optimize production due to improved realization of production planning targets and faster response to production events.

Due to the use of web based applications up to date production data can be accessed from anywhere in the network.



Example: Welcome screen of the web-interface

## Realtime monitoring / Batch traceability

The check list / batch shows an online up to date state of processing for each part.

NR	OP010	OP020	OP040	OP050	OP130	OP180	OP190	OP200
12670	IO			IO				
12690						IO	IO	
12691					IO			
12704					IO	IO	IO	
12709	IO	IO		IO				
12713					IO			
12715						IO	IO	
12718	IO	IO		IO				IO
12726		IO		IO				
12728					IO			
12730						IO	IO	IO
12732	IO	IO						
12733					IO			
12734							??	
12738					IO			
12739	IO	IO		IO				IO

Serial number - List of operations

## Traceability of assemblies and batches

In case of customer complaints it is possible to show up all batches referring to a batch no. / serial no. as well as the characteristics measured.

For each part / characteristics there is a link to the corresponding tool.

This link allows to identify any potentially faulty part in case of a tool malfunction.

**Merkmal Übersicht**

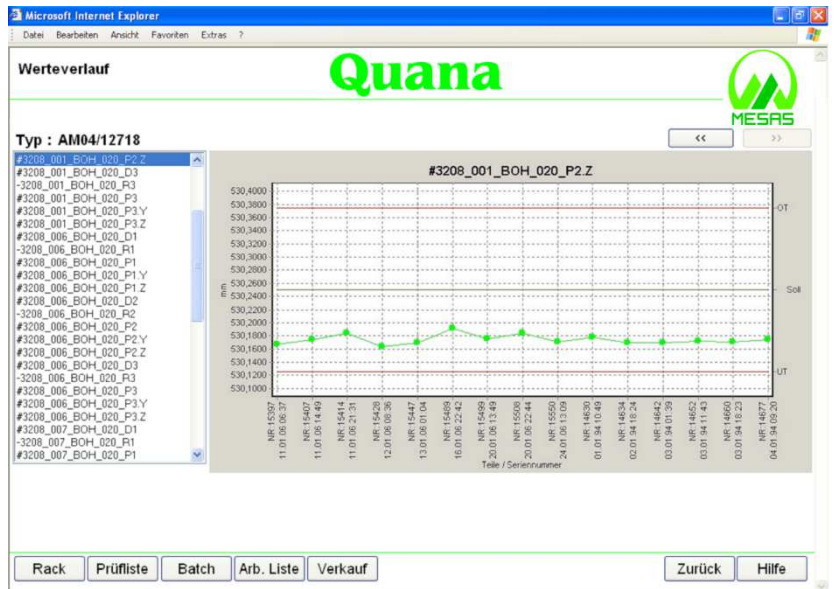
Teil : AM04/12718

Tools :	Teil : AM04/12718	Tag zeigen	Freigabe
0000 0491 1109	# 3207 012_BOH_020_P1	0,0000	0,1020 0,0000 0,102 0,4500
1111 1112 1119	# 3207 012_BOH_020_P1.Y	-161,4760	-161,5255 -0,2250 -0,0495 0,2250
1120 1301 1502	# 3207 012_BOH_020_P1.Z	-1,2600	-1,2622 -0,2250 -0,0122 0,2250
1503 1504 1521	# 3208 012_BOH_020_D1	93,7400	93,7481 -0,0200 0,0081 0,0200
1602 1702 2526	# 3208 012_BOH_020_R1	0,0000	0,0099 0,0000 0,0099 0,0250
2527 2528 2529	# 3208 012_BOH_020_P1	0,0000	0,0668 0,0000 0,0668 0,2500
2530 2536 2537	# 3208 012_BOH_020_P1.Y	-161,4760	-161,4917 -0,1250 -0,0157 0,1250
2547 2548 2549	# 3208 012_BOH_020_P1.Z	-1,2600	-1,2794 -0,1250 -0,0294 0,1250
2552 2590 2605	# 3208 012_BOH_020_D2	93,7400	93,7465 -0,0200 0,0065 0,0200
2606 2701 2702	# 3208 012_BOH_020_R2	0,0000	0,0057 0,0000 0,0057 0,0250
BF BF/NIO NIO FM	# 3208 012_BOH_020_P2	0,0000	0,0647 0,0000 0,0647 0,2500
	# 3208 012_BOH_020_P2.Y	-161,4760	-161,4947 -0,1250 -0,0187 0,1250
	# 3208 012_BOH_020_P2.Z	-1,2600	-1,2764 -0,1250 -0,0264 0,1250
	# 3208 012_BOH_020_D3	93,7400	93,7438 -0,0200 0,0038 0,0200
	# 3208 012_BOH_020_R3	0,0000	0,0059 0,0000 0,0059 0,0250
	# 3208 012_BOH_020_P3	0,0000	0,0796 0,0000 0,0796 0,2500
	# 3208 012_BOH_020_P3.Y	-161,4760	-161,5068 -0,1250 -0,0308 0,1250
	# 3208 012_BOH_020_P3.Z	-1,2600	-1,2753 -0,1250 -0,0253 0,1250
	+ 1119 914_FL_A_020_X1	-233,7490	-233,6996 -23,3749 0,0494 23,3749
	+ 1119 908_FL_A_020_X1	-233,7490	-233,7327 -23,3749 0,0163 23,3749
	+ 1119 914_FL_A_020_X1	-233,7490	-233,7175 -23,3749 0,0315 23,3749

Characteristics with link to production tool and workstation.

For each individual characteristic charts can be displayed on the screen and reports can be printed out for documentation.

All data can be exported to qs-Stat® for additional statistical evaluation.



Graphical display of the batch values.